XR-5509RDS

SERVICE MANUAL

UK Model

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

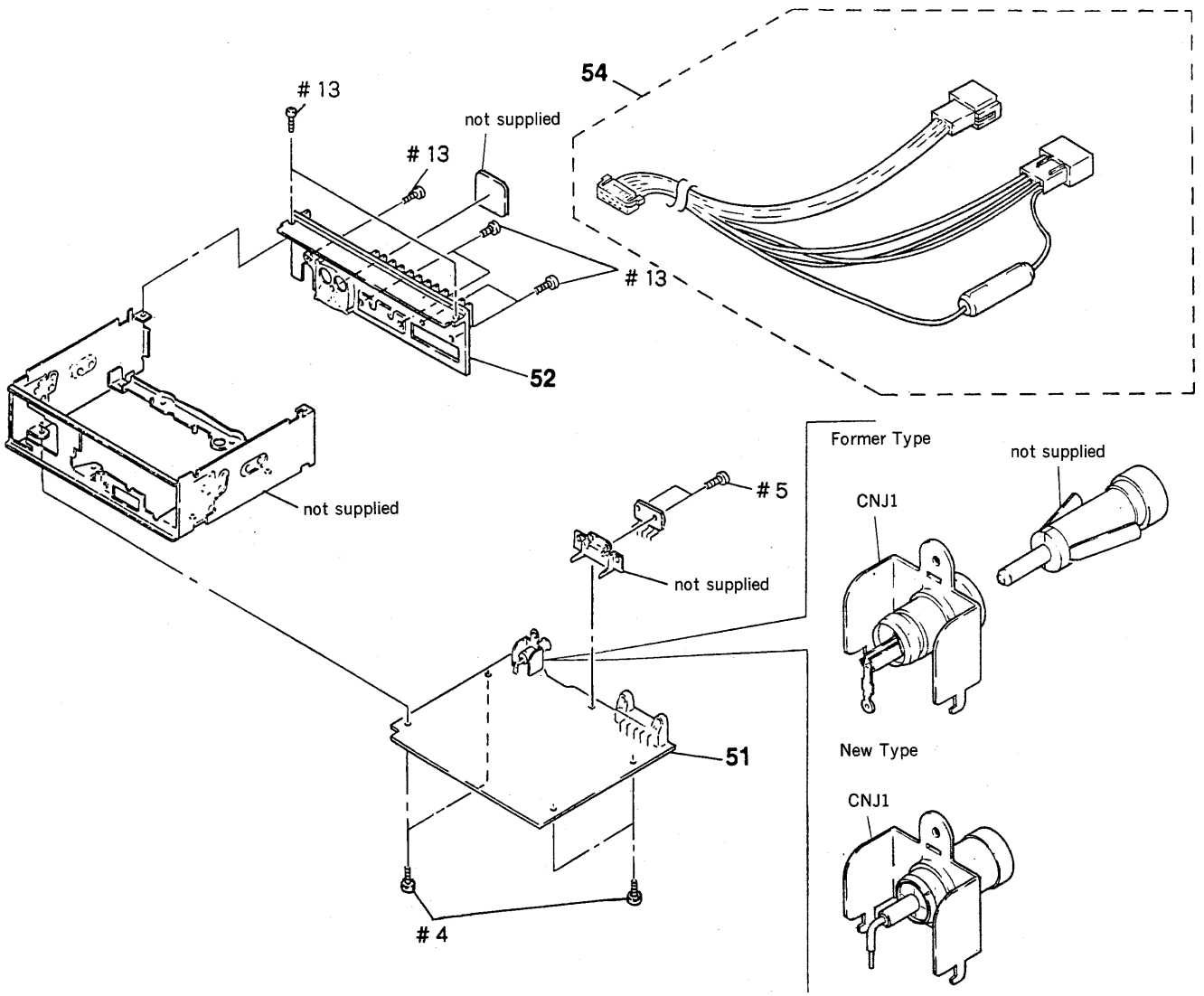
This set is a model in which the XR-5501RDS has been changed for Volkswagen Audi group.
Only the differences from the XR-5501RDS are described herein. For the other information, see Service Manual and Supplement-1 for XR-5500RDS/5501RDS.

Page	XR-5501RDS				XR-5509RDS		
	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
	3	3-385-895-11	DOOR, CASSETTE (5501)		3-904-450-11	DOOR, CASSETTE	
	16	3-375-371-01	SPRING (EJECT) (MADE IN FRANCE)		3-375-371-11	SPRING (EJECT)	
	17	3-387-352-31	PANEL, FRONT (5501)		3-387-352-41	PANEL, FRONT	
	*25	A-3295-293-A	MOUNTED PCB (B), SW (ILLUMINATION, AMBER) (MADE IN FRANCE)		*A-3295-618-A	SW BOARD, COMPLETE (ILLUMINATION, AMBER)	
31	25		————		*A-3295-453-A	SW BOARD, COMPLETE (ILLUMINATION, GREEN)	
	28	A-3252-573-A	PANEL ASSY, FRONT (5501)		*A-3252-724-A	PANEL ASSY, FRONT (ILLUMINATION, AMBER)	
	28		————		*A-3252-725-A	PANEL ASSY, FRONT (ILLUMINATION, GREEN)	
	PL701	1-518-646-11	LAMP, PILOT		1-517-114-11	LAMP, PILOT (ILLUMINATION, AMBER)	
	PL701		————		1-518-699-11	LAMP, PILOT (ILLUMINATION, GREEN)	
	PL702	1-518-646-11	LAMP, PILOT		1-517-114-11	LAMP, PILOT (ILLUMINATION, AMBER)	
	PL702		————		1-518-699-11	LAMP, PILOT (ILLUMINATION, GREEN)	

FM/MW/LW CASSETTE CAR STEREO

SONY®

Page 32
4-2. CHASSIS ASSEMBLY 2



Ref. No.	Part No.	Description	Remark
* 51	A-3295-299-A	MAIN BOARD, COMPLETE	
* 52	3-384-663-01	HEAT SINK	
54	1-751-351-11	CORD (WITH CONNECTOR) (ILLUMINATION, AMBER)	
54	1-751-351-21	CORD (WITH CONNECTOR) (ILLUMINATION, GREEN)	
CNJ1	1-691-512-11	SOCKET, CONNECTOR (ANT) (FORMER TYPE)	
CNJ1	1-750-869-11	CONNECTOR (ANT-ISO) (NEW TYPE)	

( ) : Supplement Page

Page	XR-5501RDS				XR-5509RDS		
	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
(23)	*	1-646-334-11	JACK BOARD			————	
	CNP905	1-573-744-11	JACK, PIN 2P			————	
(25)	CNJ1	1-691-512-11	SOCKET, CONNECTOR (ANT)		1-691-512-11	SOCKET, CONNECTOR (ANT) (FORMER TYPE)	
	CNJ1		————		1-750-869-11	CONNECTOR (ANT-ISO) (NEW TYPE)	
	*CNP907	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			————	
(28)	*	A-3295-293-A	SW BOARD, COMPLETE (ILLUMINATION, AMBER) (MADE IN FRANCE)		*A-3295-618-A	SW BOARD, COMPLETE (ILLUMINATION, AMBER)	
			————		*A-3295-453-A	SW BOARD, COMPLETE (ILLUMINATION, GREEN)	
(29)	PL701	1-518-646-11	LAMP, PILOT		1-517-114-11	LAMP, PILOT (ILLUMINATION, AMBER)	
	PL701		————		1-518-699-11	LAMP, PILOT (ILLUMINATION, GREEN)	
	PL702	1-518-646-11	LAMP, PILOT		1-517-114-11	LAMP, PILOT (ILLUMINATION, AMBER)	
	PL702		————		1-518-699-11	LAMP, PILOT (ILLUMINATION, GREEN)	
(30)			MISCELLANEOUS *********			MISCELLANEOUS *********	
	54	1-696-838-41	CORD (WITH CONNECTOR) (MADE IN FRANCE)		1-751-351-11	CORD (WITH CONNECTOR) (ILLUMINATION, AMBER)	
	54		————		1-751-351-21	CORD (WITH CONNECTOR) (ILLUMINATION, GREEN)	
			ACCESSORIES & PACKING MATERIALS **********			ACCESSORIES & PACKING MATERIALS **********	
		1-696-838-41	CORD (WITH CONNECTOR) (MADE IN FRANCE)		1-751-351-11	CORD (WITH CONNECTOR) (ILLUMINATION, AMBER)	
			————		1-751-351-21	CORD (WITH CONNECTOR) (ILLUMINATION, GREEN)	
	*	3-386-836-11	INDIVIDUAL CARTON (5501)		*3-382-717-01	INDIVIDUAL CARTON	
		3-756-512-61	MANUAL, INSTRUCTION (ENGLISH/FRENCH/GERMAN/ITALIAN/DUTCH) (MADE IN FRANCE)		3-757-439-11	MANUAL INSTRUCTION (ENGLISH)	
		3-756-513-61	MANUAL, INSTRUCTION, INSTALL (ENGLISH/FRENCH/GERMAN/ITALIAN/DUTCH) (MADE IN FRANCE)			————	
			MOUNTING HARDWARE **********			MOUNTING HARDWARE **********	
	*4	3-379-363-01	KEY			————	

9-959-145-11

Sony Corporation
Mobile Electronics Group

English
93H04026-1D
Printed in Japan
© 1993. 8

Published by Audio Sector Quality Assurance Dept.

XR-5500RDS/5501RDS

SERVICE MANUAL

AEP Model
XR-5500RDS
UK Model
XR-5501RDS

Photo: XR-5500RDS

Model Name Using Similar Mechanism	XR-5350
Tape Transport Mechanism Type	MG-36SZ4-32

SPECIFICATIONS

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	3.2 – 8 ohms
Maximum power output	20 W × 4 (at 4 ohms)* * Measured at 14.4 V

Cassette player section

Tape track	4-track 2-channel stereo
Frequency response	30 – 16,000 Hz
Signal-to-noise ratio	XR-5500RDS/5501RDS 55 dB
Wow and flutter	0.13% (WRMS)

Tuner section

FM

Tuning range	87.5 – 108.0 MHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	12 dBf (75 ohms)
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 70 dB (mono)
Harmonic distortion at 1 kHz	0.6% (stereo), 0.4% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	2 dB

AM(MW/LW)

Tuning range	XR-5500RDS AM : 531 – 1,602 kHz XR-5501RDS MW: 531 – 1,602 kHz LW: 153 – 281 kHz
Antenna terminal	External antenna connector
Intermediate frequency	450 kHz
Sensitivity	XR-5500RDS AM : 35 µV XR-5501RDS MW: 35 µV LW: 70 µV

General

Output lead	Power antenna relay control lead Power amplifier control lead
Tone controls	Bass ± 8 dB at 100 Hz Treble ± 8 dB at 10 kHz
Loudness	+6 dB at 100 Hz +6 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 186 × 57 × 170 mm (w/h/d), not incl. projecting parts and controls
Mounting dimensions	Approx. 182 × 53 × 154 mm (w/h/d), not incl. projecting parts and controls
Mass	Approx. 1.3 kg
Accessories supplied	Mounting hardware (1 set) Power connecting cord (1) Front panel case (1)

Design and specifications subject to change without notice

FM/AM CASSETTE CAR STEREO

SONY®

MICROFILM

Features

General

- **Detachable front panel** enables you to take the front panel away with you when you leave your car.
- **Caution alarm** will be activated if you turn off the ignition key without removing the front panel from the unit.
- Built-in high power amplifier (max. 20 W × 4) enables you to enjoy a 4-speaker system.
- Line output for connecting an optional power amplifier.
- Provided with a **digital 24-hour clock**.

Cassette player section

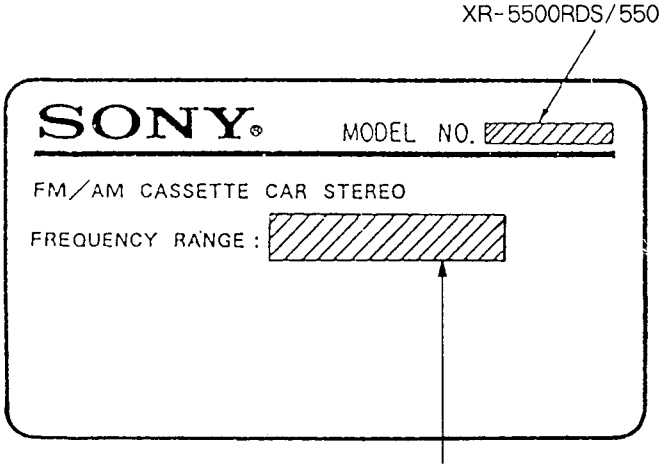
- **ATA (Automatic Tuner Activation)** for automatically turning on the tuner during the fast-forwarding or rewinding of a tape.

Tuner section

- **SSIR (Sony Super Interference Rejection) PLL synthesizer tuner**
- Up to 30 stations can be preset, 18 stations on FM, 12 stations on AM (XR-5500RDS).
- Up to 30 stations can be preset, 18 stations on FM, 6 stations each on MW and LW (XR-5501RDS).
- The information services of **FM RDS stations** can be received.
- Compatible with **the RDS features** such as **EON (Enhanced Other Networks), AF (Alternative Frequency)** and **TA (Traffic Announcement).**
- **BTM (Best Tuning Memory) function** automatically selects and stores the stations with strong signals on the preset number buttons in order of frequency.
- Memory scan function scans each of the preset stations for five seconds in order.

MODEL IDENTIFICATION

– Specification Label –



(AEP/German model)
FM 87.5 – 108.0 MHz
AM 531 – 1602 kHz
(UK model)
FM 87.5 – 108.0 MHz
MW 531 – 1602 kHz
LW 153 – 281 kHz

TABLE OF CONTENTS

Section	Title	Page
1. GENERAL		3
2. DISASSEMBLY		14
3. DIAGRAMS		
3-1.	Printed Wiring Boards	16
3-2.	Circuit Boards Location	21
3-3.	Semiconductor Lead Layouts	21
3-4.	Schematic Diagram – Main Section –	22
3-5.	Schematic Diagram – SW Section –	25
3-6.	IC Block Diagrams	28
3-7.	IC Description	29
4. EXPLODED VIEWS		
4-1.	Chassis Assembly 1	31
4-2.	Chassis Assembly 2	32
4-3.	MD Assembly 1 (MG-36SZ4-32)	33
4-4.	MD Assembly 2 (MG-36SZ4-32)	34
5. ELECTRICAL PARTS LIST		35

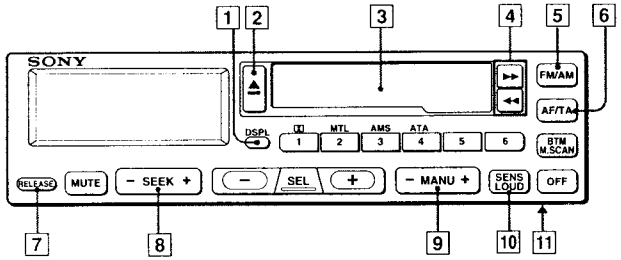
Notes on chip component replacement

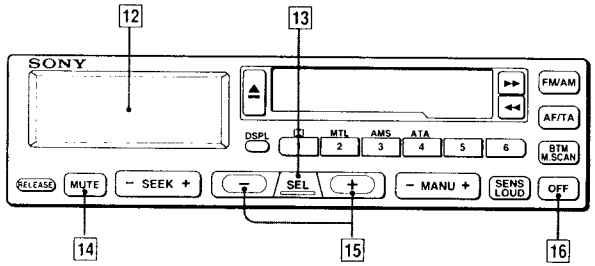
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ℃ during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Location and Function of Controls





Refer to the pages in ● for details.

1 **DSPL (display change/time set) button**

2 **⏏ (eject) button**
Press to stop tape playback and to eject the cassette.

3 **Cassette insertion door**

4 **◀◀/▶▶ (fast winding)/DIR (tape transport direction change) buttons** ⓫ ⓬
During playback, press ◀◀ or ▶▶ for fast winding, or press both ◀◀ and ▶▶ simultaneously to listen to the other side of the cassette.

5 **FM/AM (radio on/band select) button** ⓳ **(XR-5500RDS/5600RDS)**
FM/MW/LW (radio on/band select) button ⓲ **(XR-5501RDS/5601RDS)**

6 **AF (alternative frequency)/TA (traffic announcement) button** ㉒ ㉔
Each press of the button changes the function cyclically as follows;

→ AF → TA* → AF/TA → none →

* See page 24 about the TA function.

7 **RELEASE (front panel release) button** ❾

8 **SEEK (automatic tuning) button** ⓭
Press the – side to search stations in lower frequencies and the + side to search stations in higher frequencies.

9 **MANU (manual) button** ⓯
Press to tune in the desired stations manually.

10 **SENS/LOUD (sensitivity/loudness) button** ⓰
Press for more than two seconds to reinforce the bass and treble especially when listening at a low volume level. To disengage the button, press it again for more than two seconds.

11 **POWER SELECT switch (located on the bottom of the unit)**
See the description about the POWER SELECT switch in the Installation/Connections manual.

12 **Display window**

13 **SEL (control mode select) button**
Press to select the desired control mode: BAS (bass), TRE (treble), BAL (balance), FAD (fader) or VOL (volume).

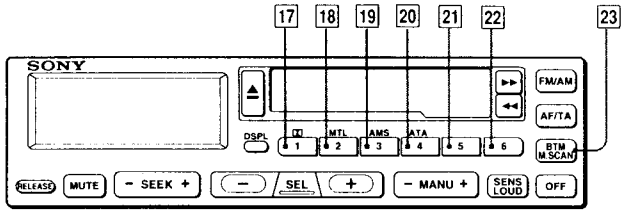
Display window	Control mode	Press ⊖	Press ⊕
BAS	Bass control	For less bass	For more bass
TRE	Treble control	For less treble	For more treble
BAL	Balance control	To decrease the right-speakers' volume	To decrease the left-speakers' volume
FAD	Fader control	To decrease the rear-speakers' volume	To decrease the front-speakers' volume
VOL	Volume control	For less volume	For more volume

14 **MUTE button**
Press to mute the sound momentarily. Press again to restore the same volume level. This button will be also canceled:
— when the ⊕ or OFF button is pressed.
— when ejecting a cassette by pressing the ⏏ button during tape playback.
— when the ignition key of your car has been turned to the OFF position for more than eight seconds.

15 **⊖ ⊕ (bass/treble/balance/fader/volume control) buttons**
These buttons normally function as the volume control. To adjust other modes, press the ⊖ or ⊕ button within three seconds after selecting the desired mode with the SEL button. The control mode automatically goes back to the volume control mode in three seconds.

16 **OFF (power off) button**
Press to turn off the radio.

This section is extracted from instruction manual.



	During tape playback	During radio reception
17	**DD (Dolby B NR) button (XR-5600RDS/ 5601RDS only)** Press to activate the Dolby B NR (Noise Reduction) System. When you listen to tapes which were recorded in the Dolby B NR system, be sure to use the Dolby NR system during playback as well.	**Preset number buttons ⑰**
18	**MTL (metal/CrO_2) button (XR-5600RDS/ 5601RDS only)** Press to get the "MTL" indication in the display window. To listen to normal (TYPE I) tapes, press the button again.	
19	**AMS (Automatic Music Sensor) button ⑫ (XR-5600RDS/5601RDS only)**	
20	**ATA (Automatic Tuner Activation) button** Press to activate the ATA function. If you press either ◀◀ or ▶▶ button during the tape playback, the radio will come on automatically. When the tape playback starts, the radio will be turned off automatically. To cancel the mode, press the button again.	
21	—	
22	—	
23	—	**BTM (best tuning memory) ⑯ M.SCAN (memory scan) button ⑰** Press lightly to scan the memorized stations, or press for more than two seconds to memorize the clearest receiving stations.

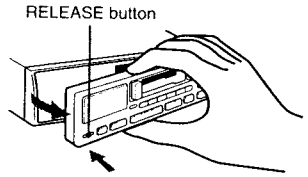
Muting a beep sound

Press the [6] button while pressing the SEL button. To obtain the beep sound again, press these buttons again.

Detaching and Attaching the Front Panel

Detaching the Front Panel

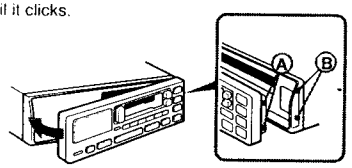
Before detaching the front panel, be sure to press the OFF button first. Then press the RELEASE button to open up the front panel, and detach the panel by pulling it towards you as illustrated.



Do not drop the panel when detaching it from the unit.

Attaching the Front Panel

Apply the right hand side of the front panel to the unit by attaching part Ⓐ of the front panel to part Ⓑ of the unit as illustrated and push until it clicks.



Do not press hard or apply excessive pressure to the display window of the front panel.

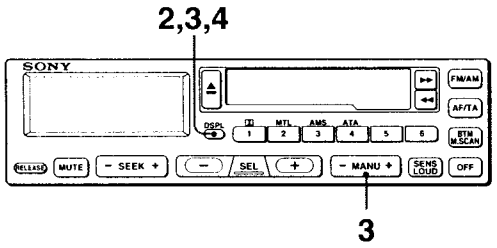
Caution alarm

If you turn the ignition key to the OFF position without removing the front panel, the caution alarm will be activated and a beep sound will be heard for a few seconds.

Notes

- Make sure that the front panel is the right way up when attaching it to the unit. It cannot be attached upside down.
- When attaching the front panel, do not press it hard against the unit. It can be easily attached by pressing lightly.
- Never leave the detached front panel in your car if it is parked in direct sunlight. There could be a considerable rise in temperature inside the car.
- When you carry the front panel with you, put it in the supplied front panel case.
- The display window may become warm while the unit is operated. This is not a sign of a malfunction.

Setting the Clock



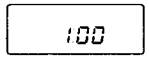
The clock has a 24-hour digital indication.

For example, set it to 10:08.

1 **Turn the ignition key to the ON position.**

2 **Press the DSPL button if the clock indication does not come on.**

DSPL



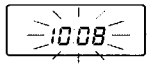
3 **Press the DSPL button for more than two seconds.**

DSPL

While holding down the DSPL button,

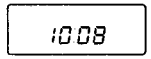
press - MANU + **to set the time.**

–: To advance the hour digits
+: To advance the minute digits



To advance the digits rapidly, keep the button pressed.

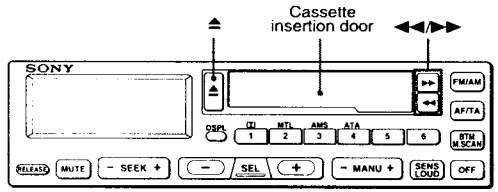
4 **The clock starts when you take your finger off the DSPL button.**



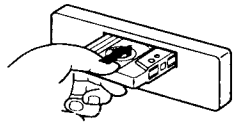
Note
If the POWER SELECT switch of the unit is set to the OFF position, the clock cannot be set unless the power is turned on. Set the clock after you turned on the radio, or tape playback.

When setting the time digits
- Minute and hour digits do not go backward.
- "00" comes after "59". The hour digits do not change then.

Listening to the Tape Playback



Insert a cassette to start playback.
Playback starts automatically.



To listen to the reverse side of the cassette,

press ►► ◄◄ simultaneously.

To Eject the Cassette and to Listen to the Radio

Press the ⏏ button.

To Wind the Tape Rapidly

Direction indicator*	To advance	To rewind
▶	press ►►.	press ◄◄.
◁	press ◄◄.	press ►►.

To resume playback, press ►► or ◄◄ lightly so as not to depress it.

Getting the clock indication during a tape playback
Press the DSPL button.
Press it again to return to the previous indication.

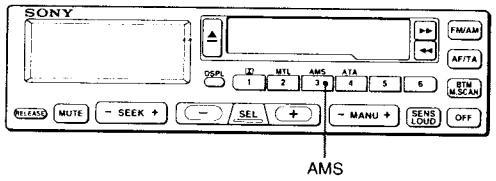
Note
Before turning off the unit, eject the tape to avoid tape damage.

Tape transport direction indication.

The side facing up is being played.

The side facing down is being played.

* "◁▶" indicator will flash while fast-winding the tape.



The AMS (Automatic Music Sensor) enables you to locate the beginnings of the next track or the previous track.

Locating a Desired Track —AMS Function

(XR-5600RDS/5601RDS only)

Press the AMS 3 button, then depress the ⏩ or ⏪ button to refer to the following table.

Indicator	Cassette side being played	Desired Track	
		Next Track	Currunt Track
▶	side facing upwards	Press ⏩	Press ⏪
◁	side facing downwards	Press ⏪	Press ⏩

The AMS may not function properly, and the track beginnings may not be located when:

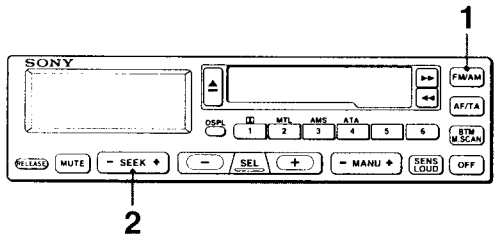
— tapes with noise between the tracks are used.
— tapes with less than four seconds of blank spaces between the tracks are used.
— you press the ⏩ or ⏪ button immediately before or after the track you want to locate.

The unit may consider the following as the blank spaces between tracks, and start playback:

— Long silent music sections on a track
— Quiet sections or a continuous low volume sound on a track
— Tracks which contain a gradual increase and decrease of the sound volume

Searching for the Stations Automatically

— Automatic Tuning



If you do not know the frequency of the station you wish to tune in, use the Automatic Tuning function.

1 **Select the desired band from FM1, FM2, FM3, AM1 or AM2 (MW, LW).**

FM/AM — XR-5500RDS/5600RDS

FM MW/LW — XR-5501RDS/5601RDS

The tuner turns on at the same time.

2 **Press the SEEK button.**

- SEEK + — For lower frequencies

- SEEK + — For higher frequencies

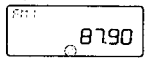
The scanning stops when a station is received. Press the button repeatedly until the desired station is received.

Note

FM has three bands (FM1, FM2 and FM3). Three bands cover the same frequency range. To change the band, press FM/AM (FM MW/LW for XR-5501RDS/5601RDS).

AM has two bands (AM1, AM2). Two bands cover the same frequency range. To change the band, press FM/AM (for XR-5500RDS/5600RDS only).

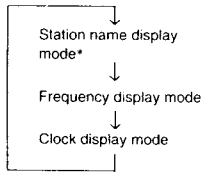
While receiving FM broadcasting



The "ST" indication will appear when an FM stereo program with sufficient signal strength is tuned in. The program will be received in stereo.

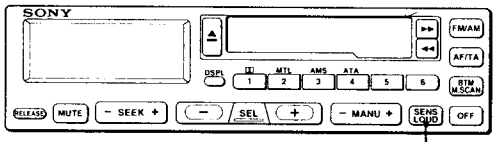
Getting the clock indication while listening to the radio

Press the DSPL button. Each time you press the button, the display mode changes as follows:



* Refer to page 21 for the station name display mode.

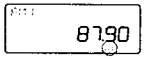
Searching for the Stations Automatically



SENS

Avoiding the Automatic Tuning from Stopping on Stations Too Frequently
—Local Seek Mode

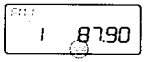
Press the [SENS LOUD] button lightly to get the "LCL" indication.



The mode changes to the local seek mode where only the stations with relatively strong signals are tuned in. It functions only when the Automatic Tuning is in operation.

If FM Stereo Broadcasting is Difficult to Receive — Monaural Mode

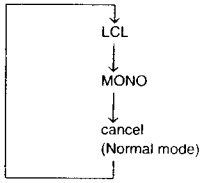
Press the [SENS LOUD] button lightly to get the "MONO" indication.



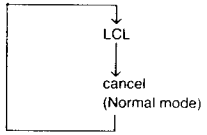
The sound improves, but it will become monaural.

Each time you press the SENS button, the mode changes as follows:

While receiving FM broadcasting

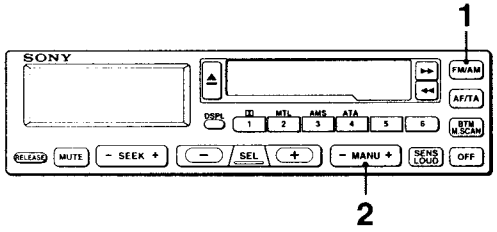


While receiving AM (MW, LW) broadcasting



Note
The SENS button also functions as the LOUD button if you keep it pressed for more than two seconds.

Tuning in by Adjusting the Frequency
— Manual Tuning



Use the Manual Tuning function if you know the frequency of the desired station.

1 **Select the desired band from FM1, FM2, FM3, AM1 or AM2 (MW, LW).**

FM/AM — XR-5500RDS/5600RDS

FM MW/LW — XR-5501RDS/5601RDS

The tuner turns on at the same time.

2 **Press the MANU button.**

– MANU + — For lower frequencies

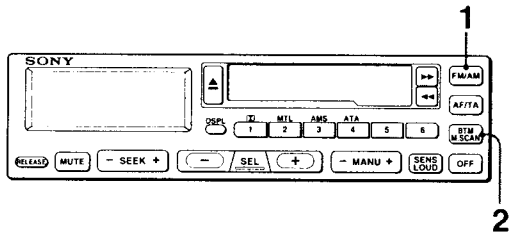
– MANU + — For higher frequencies

To change the frequency rapidly, keep the button pressed.

PREVENTING ACCIDENTS!
During driving, use the Automatic Tuning and the BTM function instead of the Manual Tuning.

Memorizing the Stations Automatically

— BTM (Best Tuning Memory) Function



Stations with clearest reception are automatically searched and memorized on each band (FM1, FM2, FM3 and AM1, AM2 (MW, LW)). Up to 6 stations on each band can be stored on the preset number buttons 1 to 6 in the order of frequency.

1 **Select the desired band from FM1, FM2, FM3, AM1 or AM2 (MW, LW).**

FM/AM — XR-5500RDS/5600RDS

FM MW/LW — XR-5501RDS/5601RDS

The tuner turns on at the same time.

2 **Keep the BTM button pressed for more than two seconds.**

BTM M.SCAN

The receivable frequencies of FM1, FM2 and FM3 are the same.
Therefore, 18 stations can be memorized on FM.

The BTM function

The BTM function searches all the receivable stations within the currently selected band and memorizes the ones in good receiving conditions in sequence from the lowest frequency.

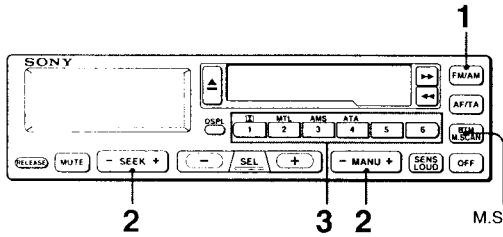
How to memorize the stations on the preset number buttons

— When there is no preset number indicated on the display window: all the preset number buttons set in the currently selected band will be filled with the memories.

— When there is a preset number indicated on the display window: the unit will memorize the stations on the preset number buttons from the one currently being displayed. For example, when you choose FM1 and preset number 3 is being displayed, the operation will start from the preset number 3 on FM1 and stops at the preset number 6 on FM3.

Note
There may be cases where there are not enough receivable stations due to the lack of stations in the vicinity or weak broadcasting signals. In such cases, the BTM operation may stop without all the buttons being occupied with memories.

Memorizing Only the Desired Stations



Up to 6 stations on each band (FM1, FM2, FM3 and AM1, AM2 (MW, LW)) can be stored in the memory in order of your choice.

For example, store a station on the preset number button 1.

1 **Select the desired band from FM1, FM2, FM3, AM1 or AM2 (MW, LW).**

FM/AM — XR-5500RDS/5600RDS

FM MW/LW — XR-5501RDS/5601RDS

The tuner turns on at the same time.

2 **Tune in the station which you wish to store on the preset number button (page 13 or 15).**

– SEEK + or – MANU +

3 **Keep the button pressed for about two seconds until the "MEM" indication comes on in the display window.**

1 — 87.90

Repeat the same procedure to store other stations.

Only one station per band (FM1, FM2, FM3 and AM1, AM2 (MW, LW)) can be stored in the memory on each preset number button.
If you try to store another station on the same preset number button, the previously stored station will be erased.

If the station to be memorized is an RDS station
If the unit is tuned to an FM band and a station to be memorized happens to be an RDS station transmitting the AF data, the unit will memorize the AF data as well. (See "Network Stations Memory" page 23).

When the "MEM" indication comes on, the station is stored in the memory and the operation is completed. The "MEM" indication goes off after a while.

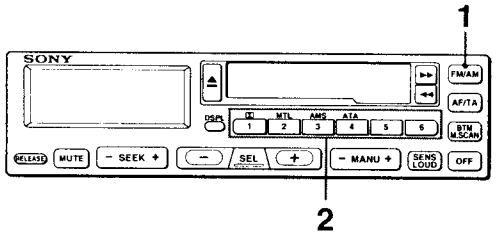
Checking in Order, All the Stations Stored in the Memory — *Memory Scan Function*

Press the M.SCAN button lightly.
The tuner will receive in order, all the stations stored in the memory for five seconds each.

To cancel
Press the M.SCAN button lightly once more. The memory scan will be canceled and you will be able to listen to the station currently being received.

Note
There may be cases in which even the stations stored in the memory cannot be received due to weak signals in the vicinity of your car.

Receiving Stations Stored in the Memory



1 **Select the desired band from FM1, FM2, FM3, AM1 or AM2 (MW, LW).**

FM/AM — XR-5500RDS/5600RDS

FM MW/LW — XR-5501RDS/5601RDS

The tuner turns on at the same time.

2 **Press lightly the preset number button on which the desired station is to be stored.**

1 — 6

Notes

- If the signals in the vicinity of your car are too weak, even stations stored in the memory cannot be received.
- If you press the preset number button for more than two seconds, the currently received station will be memorized. To receive the previously memorized station, press the preset number button only lightly.

Maintenance

Fuse Replacement

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

Warning

Use only a fuse with the specified amperage. Use of a higher amperage fuse may cause serious damage.

Cleaning the Head and the Tape Path

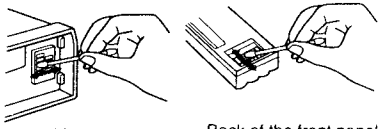
Prolonged use may contaminate the tape head and the tape path. Contamination causes sound drop-outs during playback.

Clean the tape head and the tape path every two weeks to enjoy optimum hi-fi stereo sound. Use a commercially available cleaning cassette.

Cleaning the Connectors

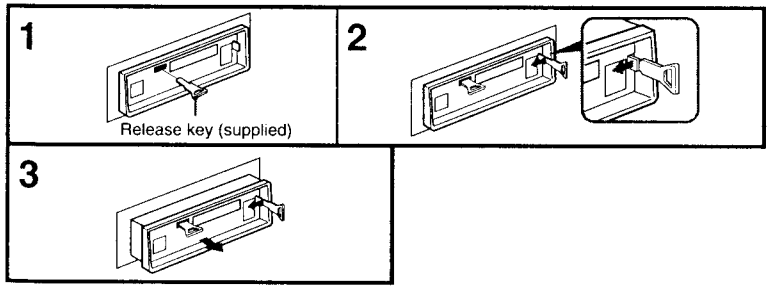
The unit may not function properly if the connectors between the unit and the front panel get contaminated. In order to prevent this, open up the front panel by pressing the RELEASE button, detach it and clean the connectors from time to time.

Clean the connectors with a cotton swab as illustrated. Be sure to clean them in the direction of the arrow.



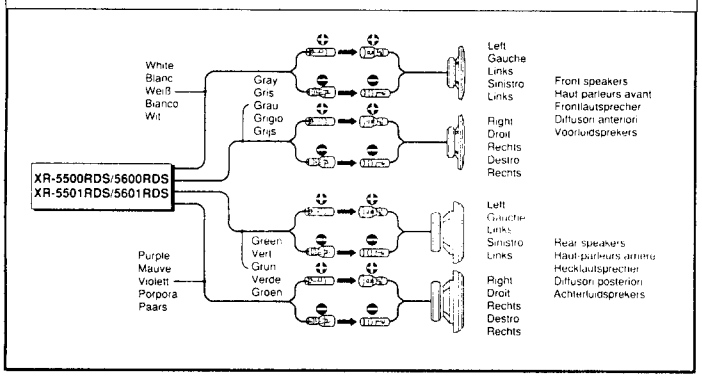
Main unit — Back of the front panel

Dismounting the unit



Speaker Connections
Connexion des haut-parleurs
Lautsprecheranschluß

Collegamento dei diffusori
Luidspreker-aansluiting



Notes on speaker connections

- Use speakers with an impedance of 3.2 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not connect the speakers in parallel.
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.

Hinweise zum Lautsprecheranschluß

- Verwenden Sie Lautsprecher mit einer Impedanz zwischen 3,2 und 8 ohm und ausreichender Belastbarkeit. Ansonsten können die Lautsprecher beschädigt werden.
- Verbinden Sie die Lautsprecheranschlüsse nicht mit dem Wagenchassis und verbinden Sie auch nicht die Anschlüsse des rechten mit denen des linken Lautsprechers.
- Schließen Sie niemals Lautsprecher parallel an.
- An die Lautsprecheranschlüsse dürfen nur Passivlautsprecher angeschlossen werden. Schließen Sie auf keinen Fall Aktivlautsprecher an, die dies zur Beschädigung führt.

Opmerkingen betreffende het aansluiten van de luidsprekers

- Gebruik luidsprekers met een impedantie van 3,2 tot 8 Ohm en let op dat die het vermogen van de versterker kunnen verwerken. Als dit wordt verzuimd, kunnen de luidsprekers ernstig beschadigd raken.
- Verbind in geen geval de aansluitingen van de luidsprekers met het chassis van de auto en sluit de aansluitingen van de rechter en linker luidspreker niet op elkaar aan.
- Probeer niet de luidsprekers parallel aan te sluiten.
- Sluit geen aktieve luidsprekers (luidsprekers met ingebouwde versterkers) aan op de luidsprekeraansluitingen van het apparaat. Dit kan resulteren in beschadiging van de aktieve luidsprekers. Op deze aansluitingen mogen uitsluitend passieve luidsprekers worden aangesloten.

Remarques sur la connexion des haut-parleurs

- Utiliser des haut-parleurs avec une impédance de 3,2 à 8 ohms et qui peuvent supporter l'alimentation fournie sinon ils risqueraient d'être endommagés.
- Ne pas connecter les bornes du système de haut-parleur au châssis de la voiture et ne pas raccorder les bornes du haut-parleur droit aux bornes du haut-parleur gauche.
- Ne pas essayer de connecter les haut-parleurs en parallèle.
- Ne pas connecter d'enceintes acoustiques actives (avec amplificateurs intégrés) aux bornes d'enceinte de cet appareil, pour éviter d'endommager les enceintes. Veiller à raccorder des enceintes passives.

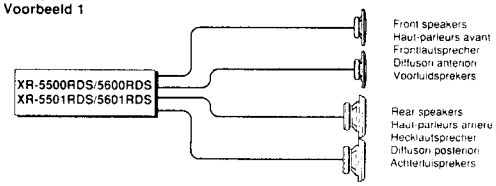
Note sul collegamento dei diffusori

- Usare diffusori di impedenza compresa tra i 3,2 e 8 ohm e con capacità di potenza adeguata, altrimenti i diffusori possono essere danneggiati.
- Non collegare i terminali del sistema diffusori al telaio dell' auto e non collegare i terminali del diffusore destro a quelli del diffusore sinistro.
- Non collegare i diffusori in parallelo.
- Non collegare diffusori attivi (con amplificatori incorporati) ai terminali diffusori dell'apparecchio, perché i diffusori attivi potrebbero essere danneggiati. Collegare solo diffusori passivi a questi terminali.

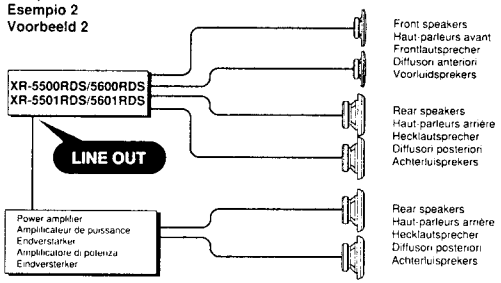
Connection Diagram
Schéma de connexions
Anschlußdiagramm

Schema di collegamento
Aansluitschema

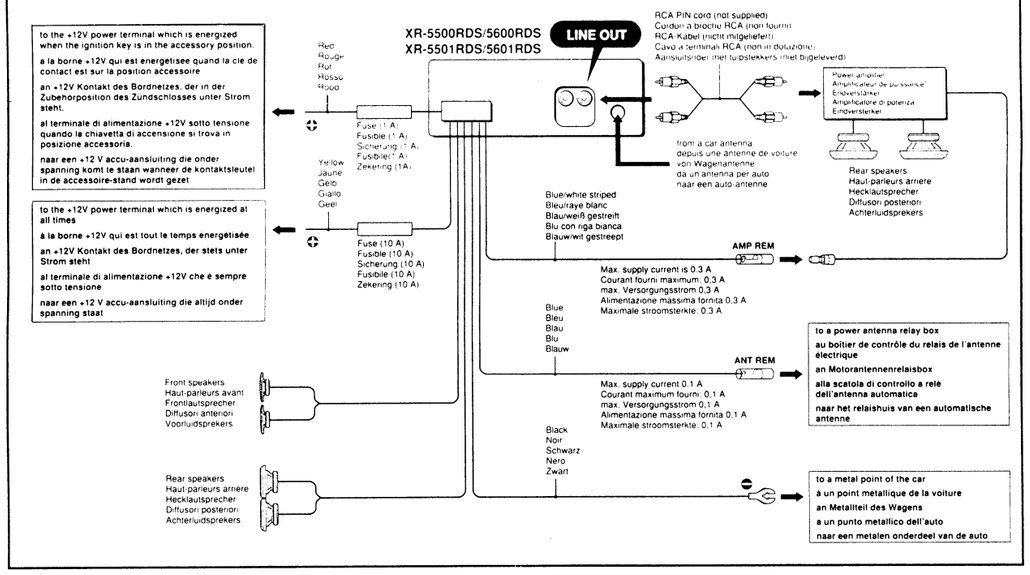
Example 1
Exemple 1
Beispiel 1
Esempio 1
Voorbeeld 1



Example 2
Exemple 2
Beispiel 2
Esempio 2
Voorbeeld 2



Connections of Example 2
Connexions de l'exemple 2
Anschlußbeispiel 2
Collegamenti per l'esempio 2
Aansluitingen van voorbeeld 2



Notes on the control leads
- The power antenna control lead (blue) supplies 12V DC when you turn on the tuner or when you activate the ATA (Automatic Tuner Activation) function, AF (Alternative Frequency) function or TA (Traffic Announcement) function.
- A power antenna without relay box cannot be used with this unit.

Remarques sur les fils de contrôle
- Le fil de contrôle de l'antenne électrique (bleu) fourni du courant continu de 12V quand le tuner est mis sous tension ou quand la fonction ATA (Automatic Tuner Activation) est activée, fonction AF (Alternative Frequency) ou fonction TA (Traffic Announcement).
- Une antenne électrique sans boîtier de relais ne peut pas être utilisé avec cet appareil.

Hinweise zu den Steuerleitungen
- Die Motorantennen-Steuerleitung (blau) gibt beim Einschalten des Tuners und beim Aktivieren der ATA-Funktion (Automatic Tuner Activation), AF-Funktion (Alternative Frequency) oder TA-Funktion (Traffic Announcement) 12V Gleichspannung ab.
- Eine Motorantenne ohne Relaisbox kann nicht angeschlossen werden.

Note sui cavi di collegamento
- Il cavo di controllo dell'antenna automatica (blu) fornisce 12V CC quando si accende il sintonizzatore o quando si attiva la funzione ATA (Automatic Tuner Activation), funzione AF (Alternative frequency) o funzione TA (Traffic Announcement).
- Non è possibile usare un'antenna automatica senza la scatola a relè con questo apparecchio.

Opmerkingen betreffende de bedieningsaansluitingen
- Het aansluitsnoer voor de automatische antenne (blauw) levert +12 V gelijkstroom als de tuner wordt ingeschakeld of als de ATA-funktie (Automatic Tuner Activation), funktie AF (Alternative frekwenties) of funktie TA (Traffic Announcement).
- Met dit apparaat is het niet mogelijk een automatische antenne zonder relaishuis te gebruiken.

Installation | Installation | Installation | Installazione | Montage

Precautions

- Choose the installation location carefully so that the unit will not hamper the driver during driving.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.
- Before installing the unit, detach the front panel.

Mounting angle adjustment
Adjust the mounting angle to less than 20°.

Précautions

- Choisir soigneusement l'emplacement de l'installation, pour ne pas gêner la conduite.
- Eviter d'installer l'appareil là où il serait soumis à des températures élevées, comme en plein soleil ou à proximité d'une bouche d'air chaud, à de la poussière, de la saleté ou des vibrations violentes.
- Pour garantir un montage sûr, n'utiliser que le matériel fourni.
- Avant d'installer l'appareil, veiller à enlever le panneau avant.

Réglage de l'angle de montage
Ajuster l'inclinaison à un angle inférieur à 20°.

Vorsichtsmaßnahmen

- Wählen Sie den Einbauort sorgfältig so aus, daß das Gerät die Bedienung des Fahrzeugs nicht behindert.
- Bauen Sie das Gerät so ein, daß es keinen hohen Temperaturen (direktes Sonnenlicht, Warmluft von Heizung), keinem Staub, keinem Schmutz und keinen starken Vibrationen ausgesetzt ist.
- Für eine sichere Befestigung verwenden Sie stets nur die mitgelieferten Montageteile.
- Nehmen Sie die Frontplatte vor dem Einbau des Geräts ab.

Hinweis zum Montagewinkel
Das Gerät sollte in einem Winkel von weniger als 20° montiert werden.

Precauzioni

- Scegliere con attenzione il luogo di installazione in modo che l'apparecchio non interferisca con le operazioni di guida del conducente.
- Evitare di installare l'apparecchio dove sia soggetto ad alte temperature, come da esposizione alla luce solare diretta o al getto di aria calda dell'impianto di riscaldamento, o dove possa essere soggetto a polvere, sporco e vibrazioni eccessive.
- Usare solo il materiale di montaggio in dotazione per un'installazione stabile e sicura.
- Prima di installare l'apparecchio staccare il pannello anteriore.

Regolazione dell'angolo di montaggio
Regolare l'angolo di montaggio in modo che sia inferiore a 20°.

Voorzorgsmaatregelen

- Kies met overleg een plaats voor het apparaat. Let er goed op dat de bestuurder bij het rijden geen hinder van het apparaat ondervindt.
- Monteer het apparaat niet op een plaats waar dit blootgesteld staat aan hoge temperaturen (direkt zonlicht, in de buurt van een warmeluchtrooster van de verwarming e.d.). Vermijd ook stoffige en vuile plaatsen alsmede plaatsen waar het apparaat blootgesteld staat aan trillingen.
- Gebruik uitsluitend het bijgeleverde montage materiaal voor het inbouwen van het apparaat.
- Verwijder het voorpaneel alvorens u het apparaat inbouwt.

Toelaatbare inbouwhoek
De inbouwhoek moet minder dan 20° zijn.

How to Detach and Attach the Front Panel

To detach
Press the RELEASE button to open the front panel, then pull it out.

To attach
Align parts **A** and **B**, and push the front panel until it clicks.

Dépose et pose du panneau avant

Dépose
Appuyer sur la touche RELEASE avant d'ouvrir le panneau avant, puis le tirer vers vous.

Pose
Aligner les pièces **A** et **B** et pousser le panneau avant jusqu'à enclenchement.

Zum Abnehmen und Anbringen der Frontplatte

Zum Abnehmen
Drücken Sie die RELEASE-Taste zum Lösen der Frontplatte und ziehen Sie sie ab.

Zum Anbringen
Richten Sie Teil **A** auf Teil **B** aus und drücken Sie die Frontplatte fest, so daß sie mit einem Klicken einrastet.

Come staccare e attaccare il pannello anteriore

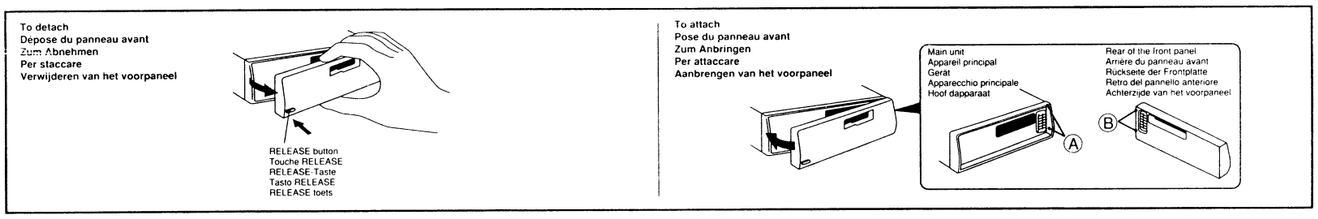
Per staccare
Premere il tasto RELEASE per aprire il pannello anteriore e quindi tirarlo verso l'esterno.

Per attaccare
Allineare le parti **A** e **B** e spingere il pannello anteriore fino a udire uno scatto.

Verwijderen en weer aanbrengen van het voorpaneel

Verwijderen
Druk op de RELEASE toets zodat het voorpaneel ontgrendeld wordt en verwijder dit vervolgens van het apparaat.

Aanbrengen
Zorg dat punt **A** en punt **B** tegenover elkaar liggen en druk het voorpaneel dan aan, totdat dit vastklikt.



Mounting Example

Installation in the dashboard

Exemple d'installation

Encastrement dans le tableau de bord

Einbaubeispiel

Installation im Armaturenbrett

Esempio di installazione

Installazione sul cruscotto

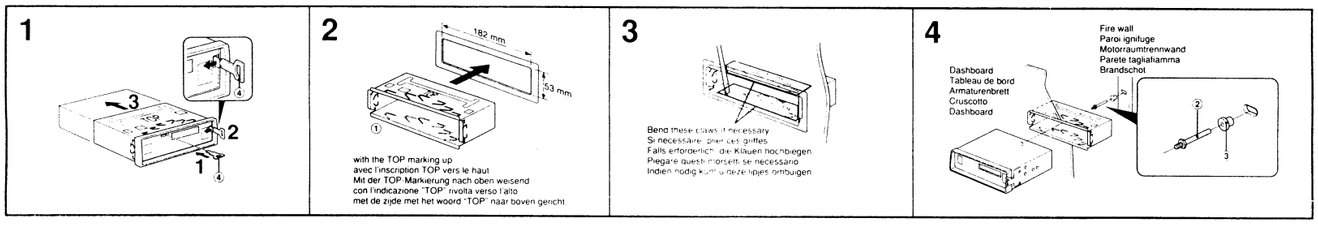
Montage-voorbeeld

Inbouw in het dashboard

RELEASE-Taste
Tasto RELEASE
RELEASE toets

Mounting Example

Installation in the dashboard



Exemple d'installation

Encastrement dans le tableau de bord

Einbaubeispiel

Installation im Armaturenbrett

Esempio di installazione

Installazione sul cruscotto

Montage-voorbeeld

Inbouw in het dashboard

Installing the Unit in a Japanese Car

This unit may not be installed in some makes of cars. In this case, consult your nearest Sony dealer.

Installation de l'appareil dans une voiture japonaise

Cet appareil peut ne pas être installé dans certaines voitures. Consultez, dans ce cas, votre concessionnaire Sony.

Zum Einbau in ein japanisches Fahrzeug

In einige Fahrzeugtypen kann die Einheit nicht eingebaut werden. Wenden Sie sich im Zweifelsfall an den nächsten Sony Händler.

Installazione dell'apparecchio in un'automobile giapponese

Questo apparecchio non può essere installato in alcuni modelli di auto. In questo caso, consultare un rivenditore Sony.

Inbouwen van het apparaat in een Japanese auto

Het is mogelijk dat het apparaat in sommige auto's niet kan worden ingebouwd. Raadpleeg in dat geval uw Sony handelaar.

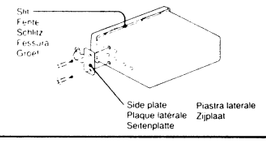
Run a blade along the slits on the back of the front trim and cut it off the unit.
At the same time, remove the side plate as well.

Passer une lame le long des fentes à l'arrière de la bordure avant et la couper.
Au même moment, enlever également la plaque latérale.

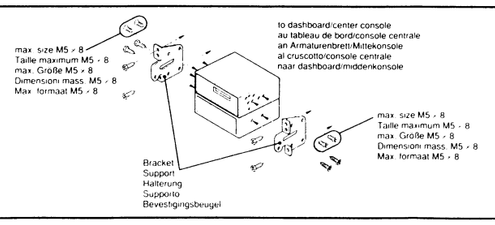
Trennen Sie die Front verkleidung ab, indem Sie mit einer Schneideklinge entlang den Schlitzen fahren.
Nehmen Sie gleichzeitig auch die Seitenplatte ab.

Infilare una lama lungo le fessure sul retro della finitura anteriore e ritagliarla dall'apparecchio.
Rimuovere contemporaneamente la piastra laterale.

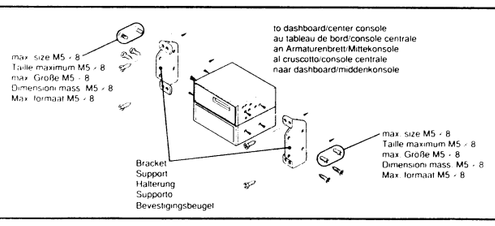
Steek een mes in de gleuven aan de achterzijde van de voorplaat en snijd de voorplaat van het apparaat weg.
Verwijder tegelijkertijd de zijplaat.



TOYOTA



NISSAN



Note
Use the existing parts supplied to your car.

Remarque
Utiliser les pièces fournies avec la voiture.

Hinweis
Verwenden Sie die bei Ihrem Fahrzeug mitgelieferten Teile.

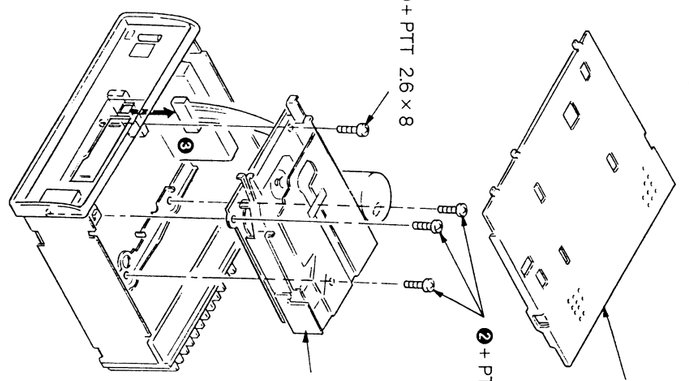
Nota
Usare le parti esistenti in dotazione all'automobile.

Opmerking
Gebruik het montage materiaal dat bij uw auto wordt geleverd.

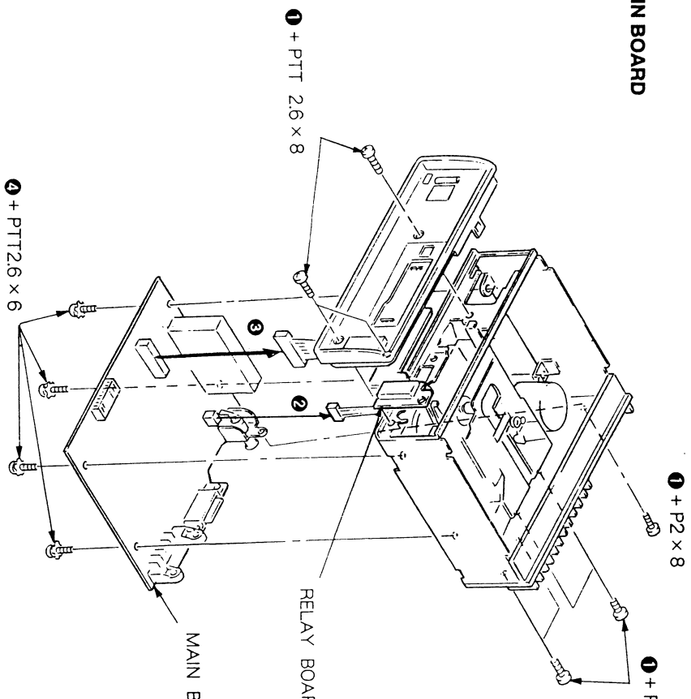
SECTION 2
DISASSEMBLY

NOTE : Follow the disassembly procedure in the numerical order given.

• MD BLOCK

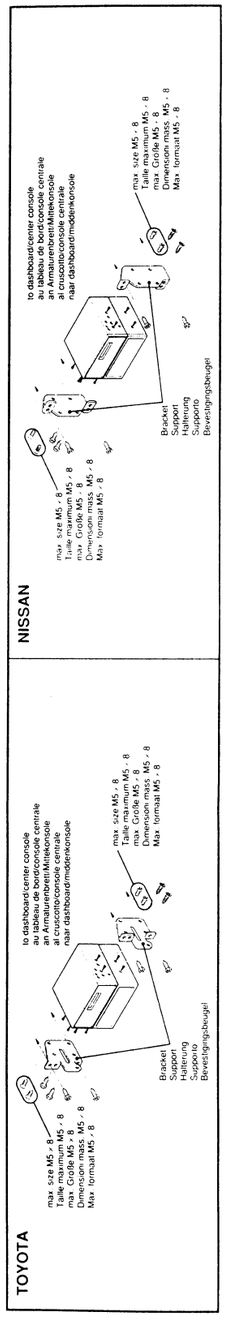


• MAIN BOARD



Verwijder dagelijkerijs de zijplaat.

Seitenplatte



Note
Use the existing parts supplied to your car

Remarque
Utiliser les pieces fournies avec la voiture

Hinweis
Verwenden Sie die bei Ihrem Fahrzeug mitgelieferten Teile

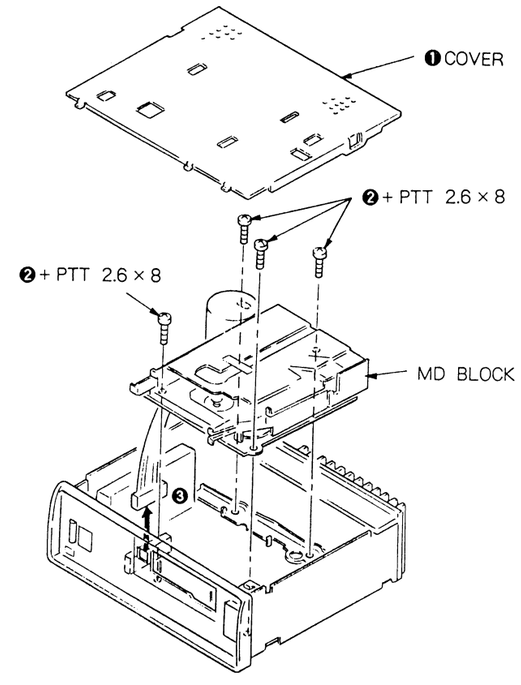
Nota
Usare le parti esistenti in dotazione all'automobile

Opmerking
Gebruik het montage materiaal dat bij uw auto wordt geleverd

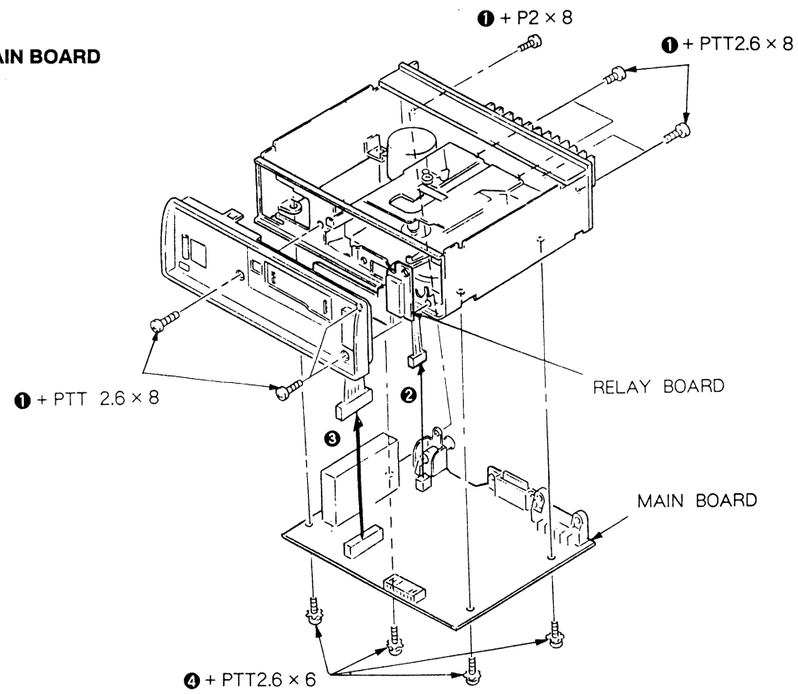
SECTION 2
DISASSEMBLY

NOTE : Follow the disassembly procedure in the numerical order given.

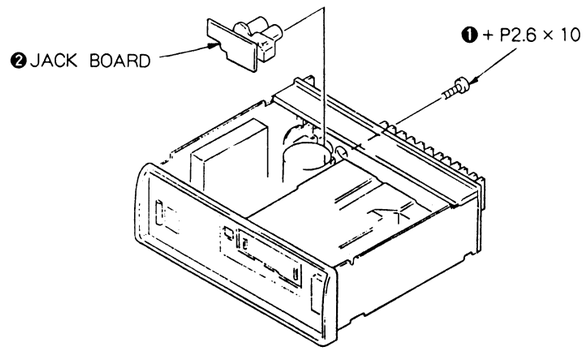
• MD BLOCK



• MAIN BOARD



• JACK BOARD



• SW BOARD

SECTION 3
DIAGRAMS

3-1. PRINTED WIRING BOARDS

• See page 21 for Semiconductor Lead Layouts.

[MAIN BOARD] (COMPONENT SIDE)

XR-5501RDS MODEL

[MAIN BOARD] (CONDUCTOR SIDE)

CNP901 (ANTENNA)

XR-5501RDS MODEL

XR-5500RDS MODEL

CNJ907

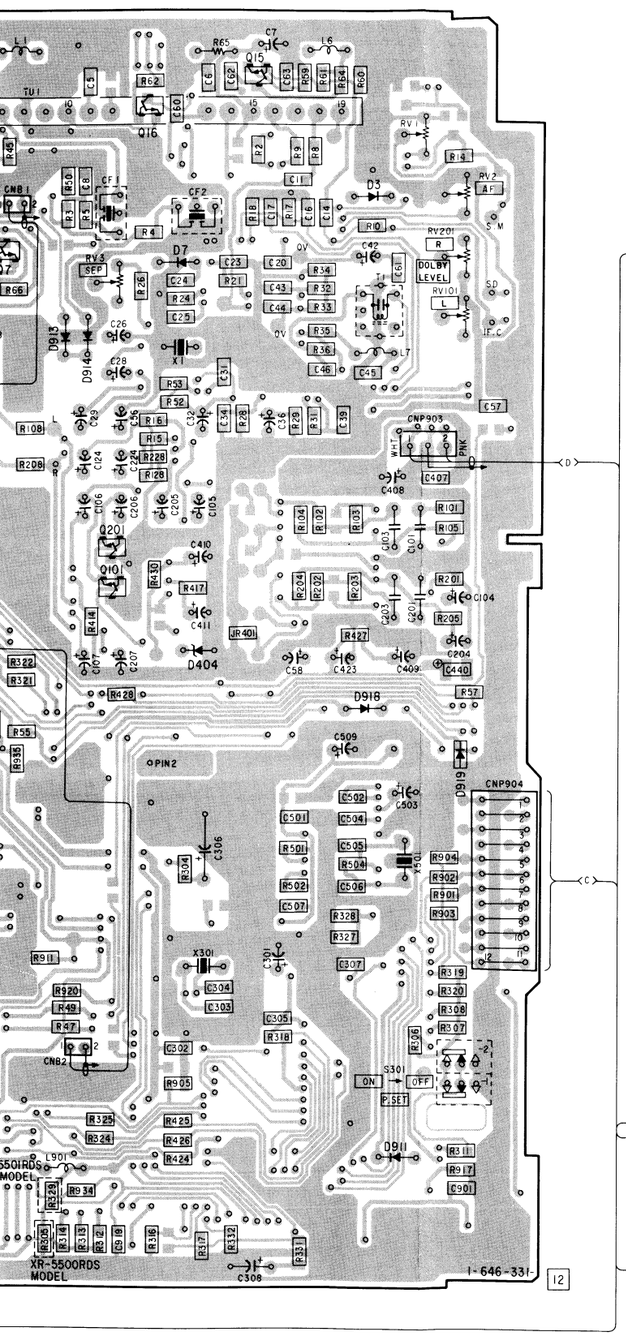
M901 MOTOR

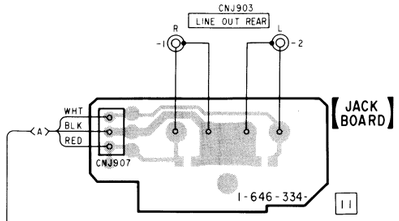
S903 MUTE TAPE

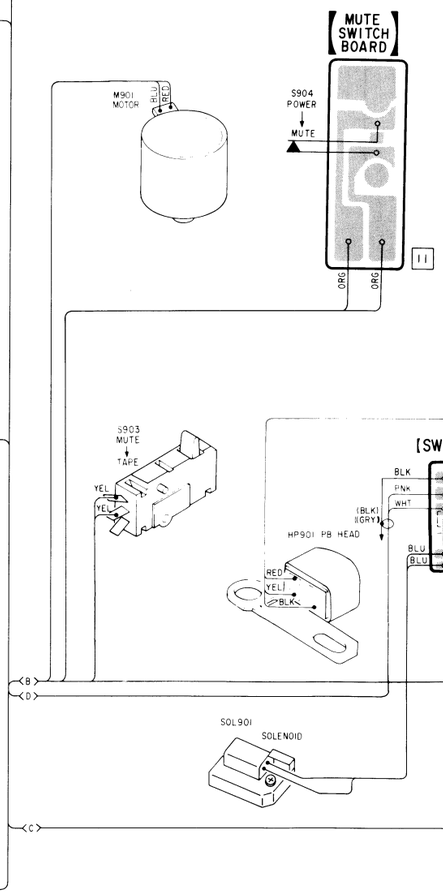
S301 ON OFF PLSET

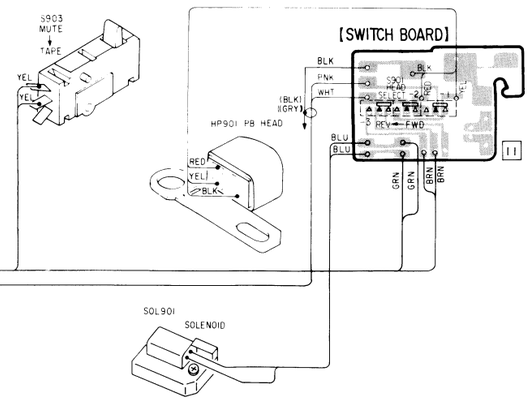
1-646-331-12

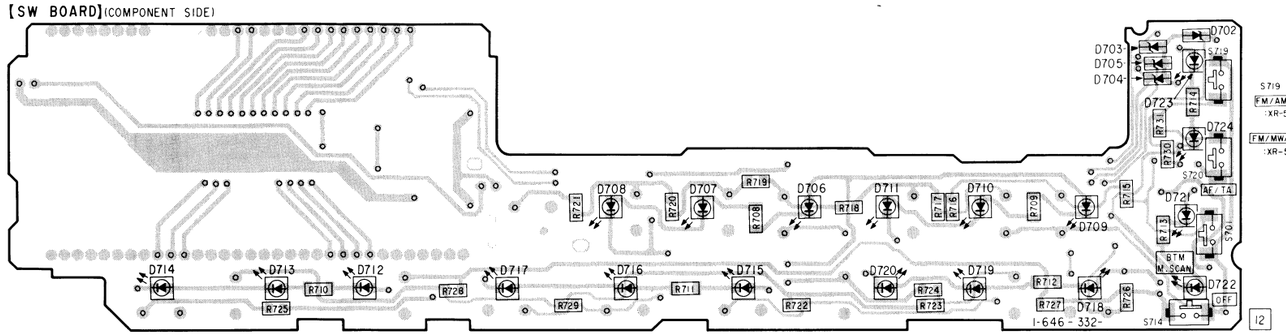
13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32

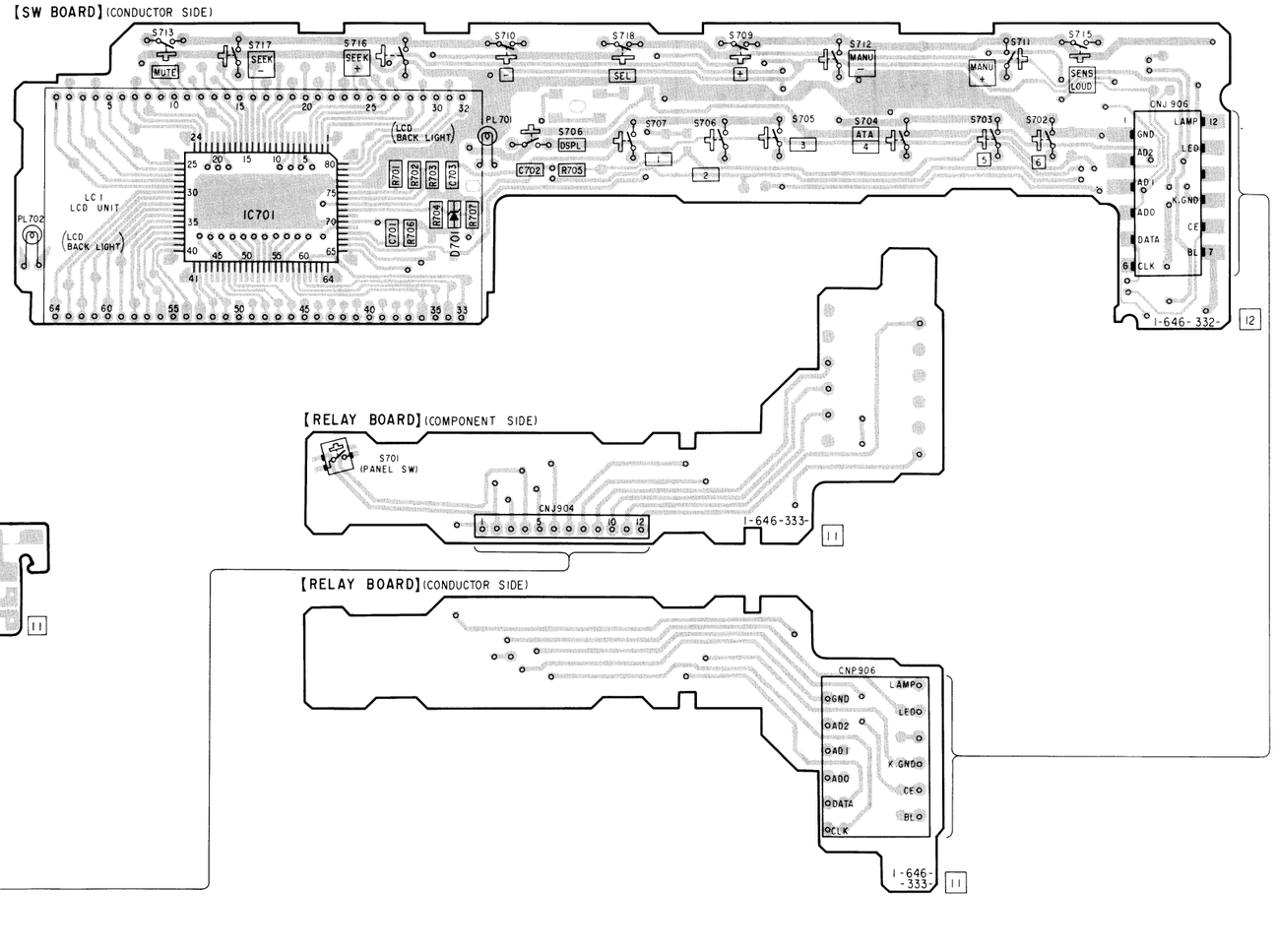


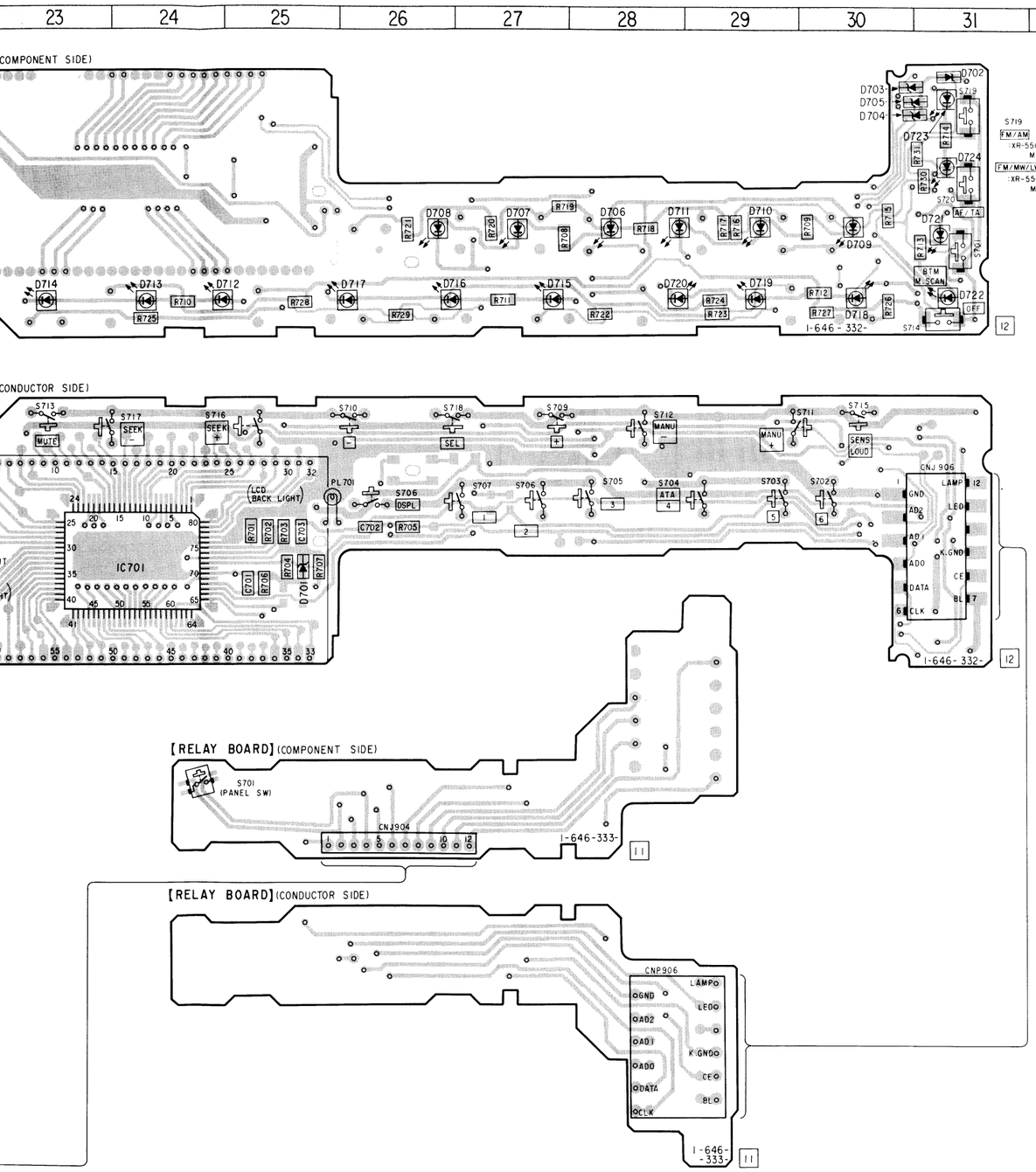












● Semiconductor Location

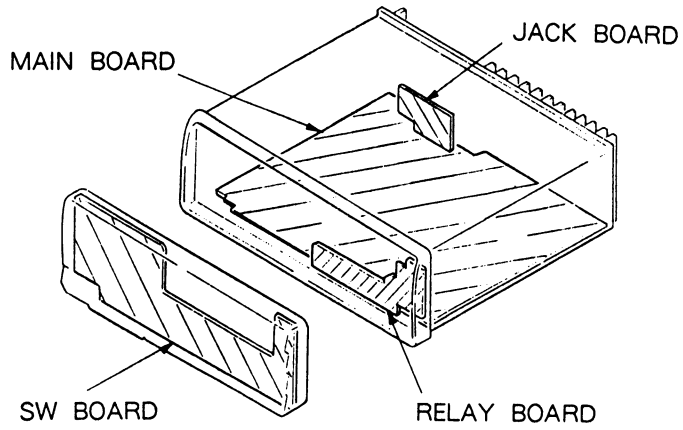
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1	A-10	D907	H-13	Q11	B-12
D2	A-10	D908	G-11	Q14	C-2
D3	B-16	D909	G-12	Q15	A-15
D7	C-14	D910	G-12	Q16	B-14
D8	C-12	D911	I-16	Q17	A-6
D401	I-11	D913	C-13	Q18	A-6
D402	I-11	D914	C-13	Q101	E-14
D403	H-11	D915	E-12	Q102	D-7
D404	F-14	D916	E-12	Q103	C-7
D405	J-10	D917	G-12	Q201	E-14
D406	D-10	D918	F-16	Q202	C-7
D407	D-10	D919	G-16	Q203	C-7
D701	E-25	D920	F-12	Q301	H-2
D702	A-31	D921	F-13	Q401	I-7
D703	A-30			Q402	J-7
D704	A-30	IC1	C-3	Q403	I-7
D705	A-30	IC2	C-6	Q404	H-7
D706	B-28	IC301	I-4	Q405	H-7
D707	B-27	IC302	I-3	Q406	F-3
D708	B-26	IC303	H-3	Q501	G-4
D709	B-30	IC401	E-3	Q901	J-12
D710	B-29	IC402	E-4	Q902	G-6
D711	B-28	IC403	D-6	Q903	F-7
D712	C-24	IC404	C-6	Q904	G-5
D713	C-24	IC405	E-10	Q905	F-5
D714	C-23	IC406	E-5	Q906	F-6
D715	C-27	IC407	J-5	Q907	I-12
D716	C-26	IC501	G-3	Q908	I-12
D717	C-25	IC701	E-24	Q909	J-12
D718	C-30	IC901	I-12	Q910	G-5
D719	C-29			Q911	G-5
D720	C-28	Q1	A-5	Q912	F-6
D721	B-31	Q2	A-4	Q913	E-7
D722	C-31	Q3	C-4	Q914	E-6
D723	A-30	Q5	D-4	Q915	E-5
D724	B-31	Q6	B-12	Q916	E-7
D901	G-11	Q7	C-13	Q917	E-6
D904	F-11	Q8	B-12	Q918	G-7
D905	F-11	Q9	B-11		
D906	J-12	Q10	B-13		

Note on Mounting Diagram :

- ○——— : Parts extracted from the component side.
- ●——— : Parts extracted from the conductor side.
- O : Through hole.
- ▒▒▒ : Pattern on the side which is seen.

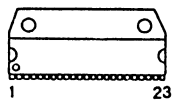
(Other pattern is not shown.)

3-2. CIRCUIT BOARDS LOCATION

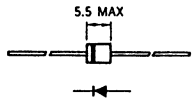


3-3. SEMICONDUCTOR LEAD LAYOUTS

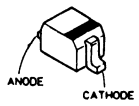
159-98



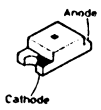
RL254-H21



DTZ5.1B-TT11



CL-170PG-CD-T
CL-170Y-CD-T

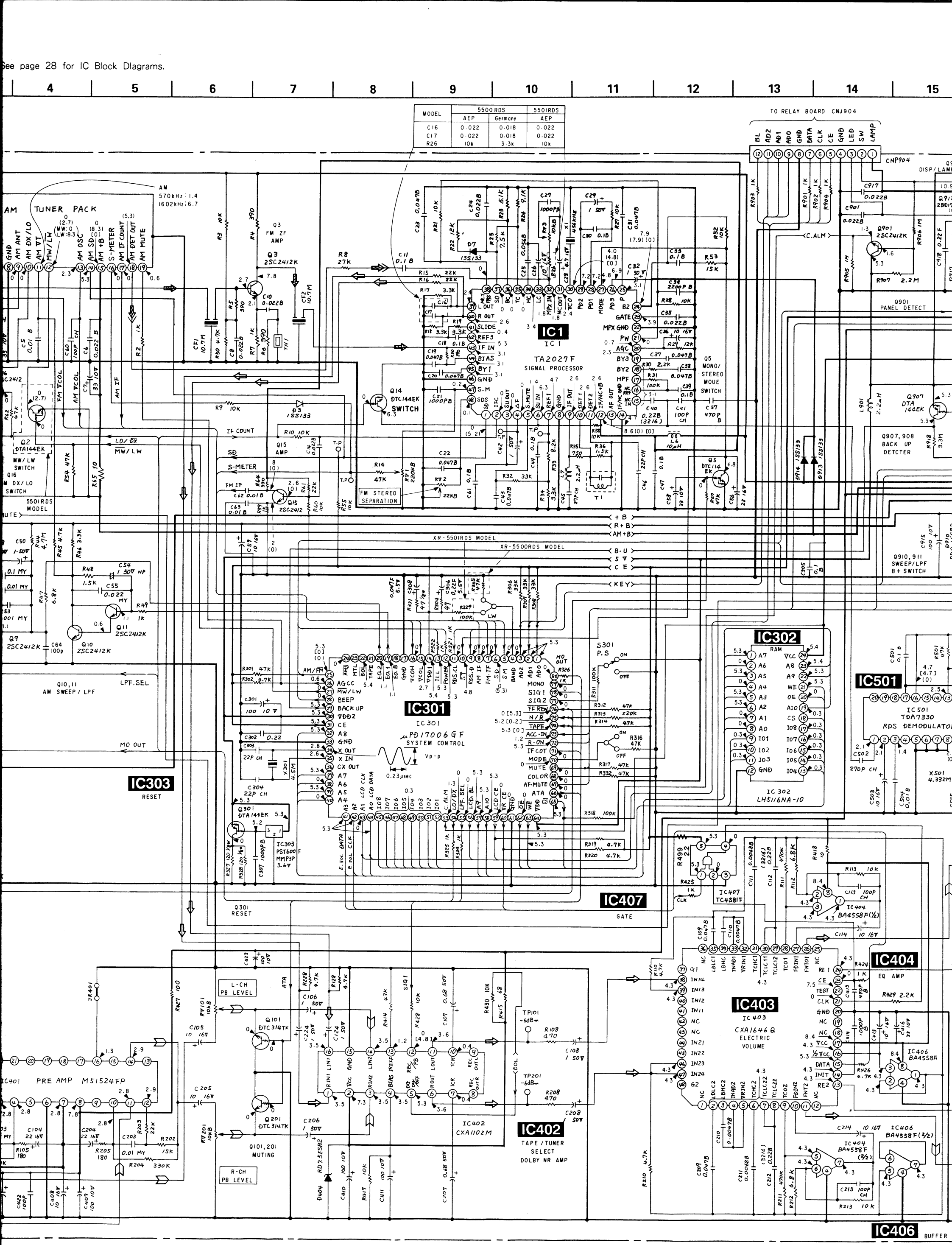


Note on Schematic Diagram :

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▭ : adjustment for repair.
- ——— : B + Line.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from external power voltage.
  no mark : FM
  ( ) : AM
  [ ] : TAPE
- Voltages are taken with a VOM (input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AF ⇨ : TAPE PB ⇨ : FM
  ⇨ : AM

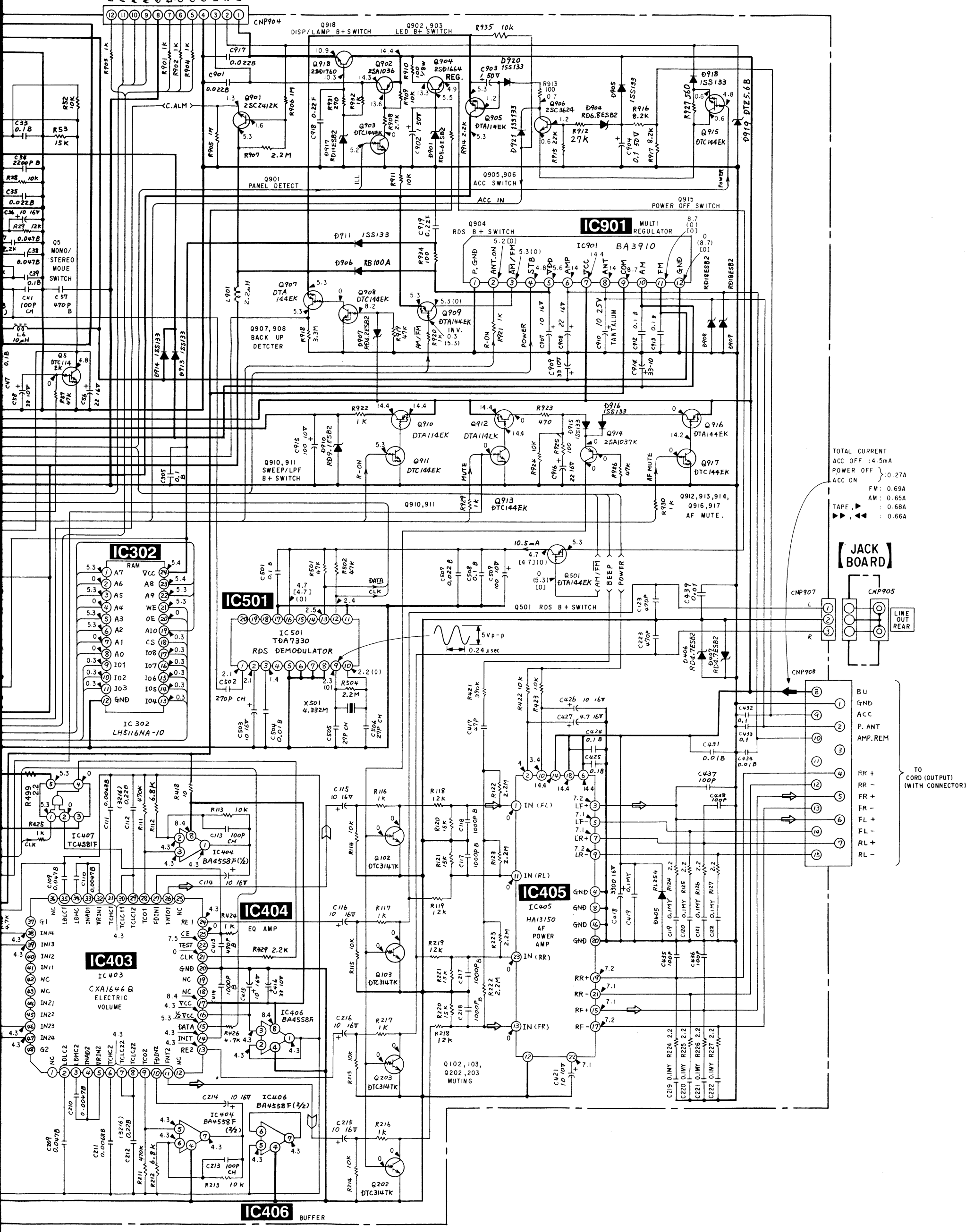
See page 28 for IC Block Diagrams.

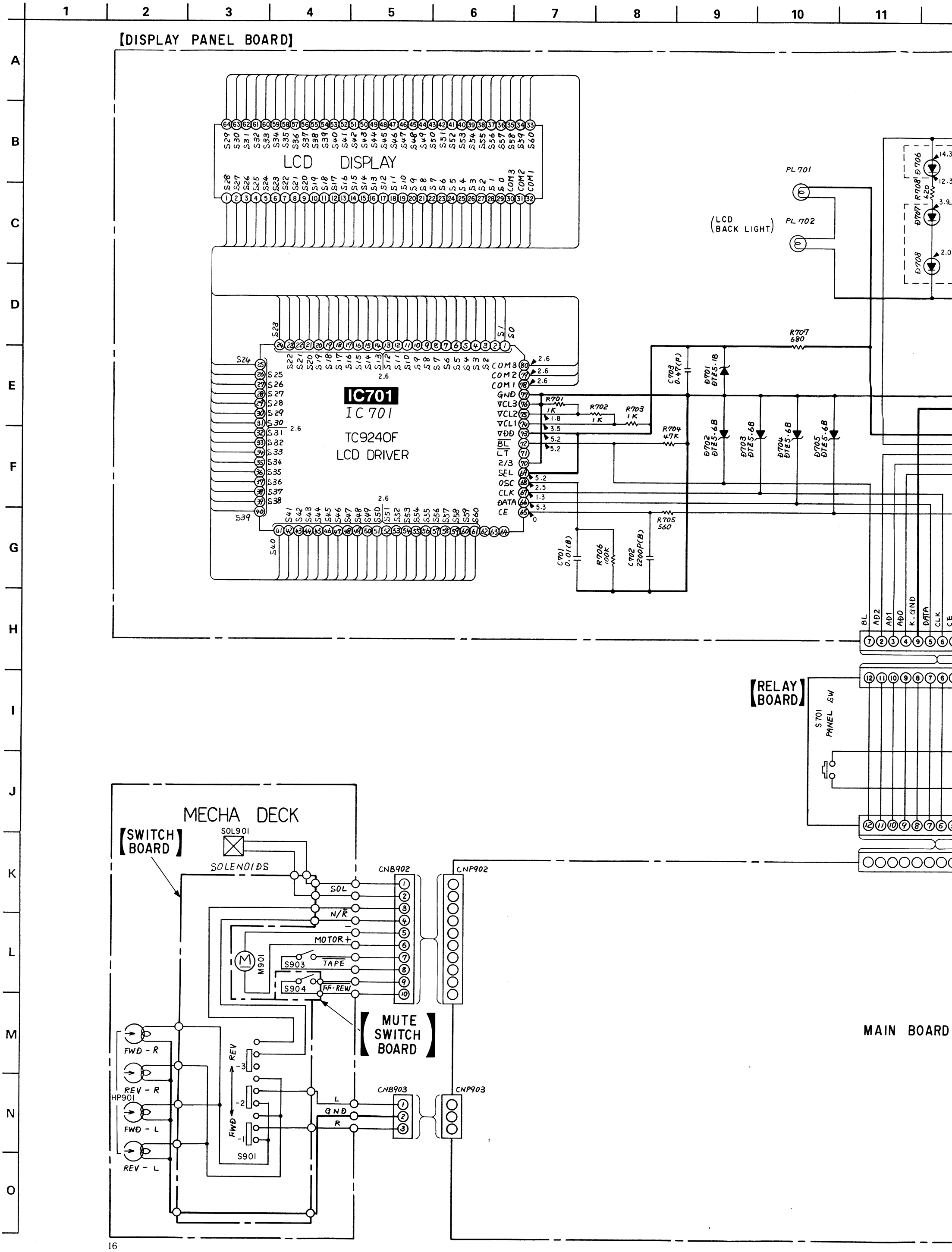
MODEL	5500RDS		5501RDS
	AEP	Germany	AEP
C16	0.022	0.018	0.022
C17	0.022	0.018	0.022
R26	10k	3.3k	10k



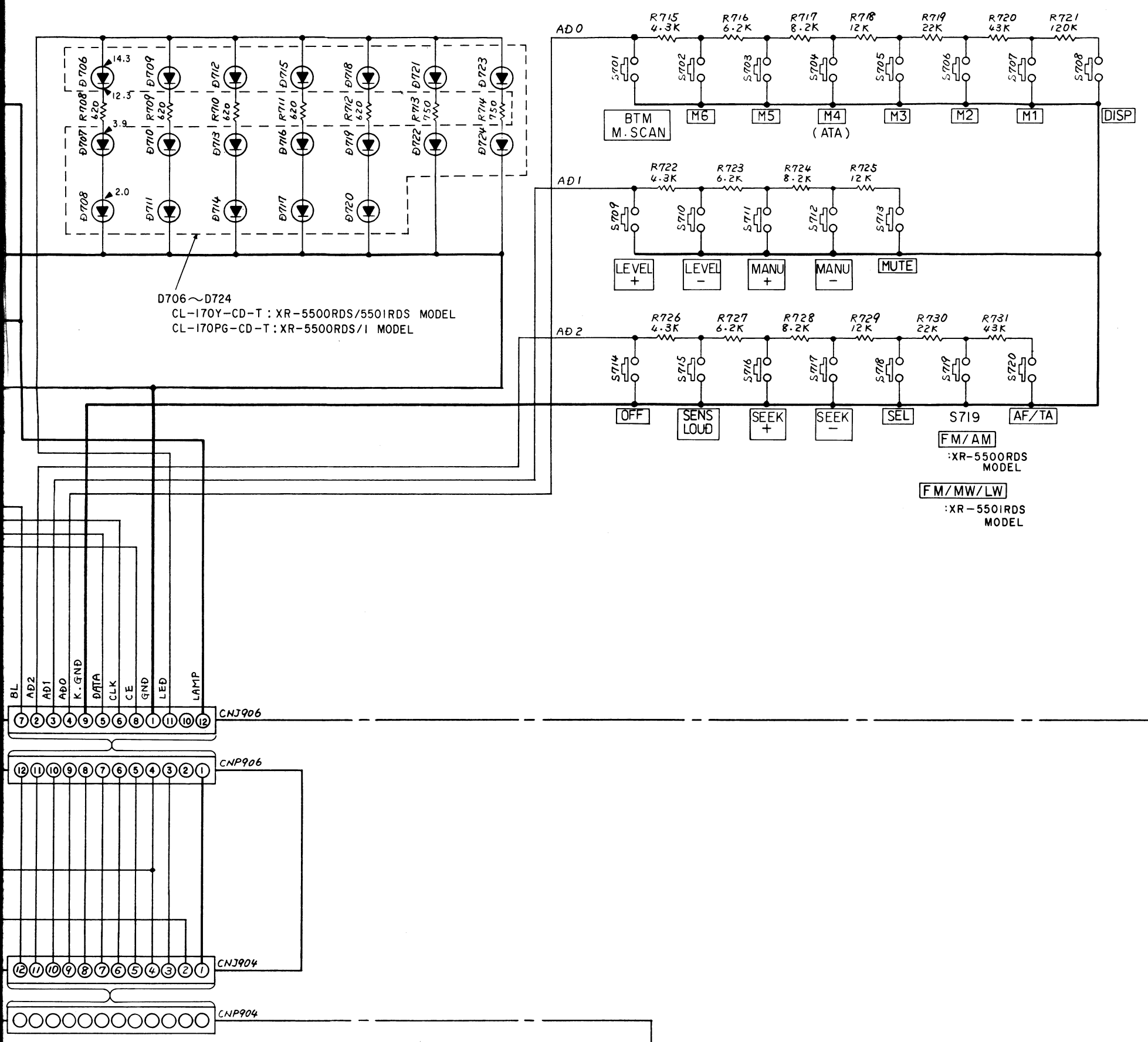
Note) C306 is for HAND-MOUNT, C308 is for AUTO-MOUNT.
It's used by combination of C306-R304 or C308-R331.

Know the real Part mame.


TO RELAY BOARD CNJ904
BL AD2 AD1 ADO GND DATA CLK CE GND LED SW LAMP
CNP904
IC901 MULTI REGULATOR
IC901 BA3910
P.GND ANT.ON AM/FM STB VDD AMP VCC ANT COM AM FM GND
Q904 RDS B+ SWITCH
Q915 POWER OFF SWITCH
Q901 PANEL DETECT
Q905,906 ACC SWITCH
ACC IN
Q918 DISP/LAMP B+ SWITCH
Q902,903 LED B+ SWITCH
R935 10k
Q907, 908 BACK UP DETCTER
Q910, 911 SWEEP/LPF B+ SWITCH
Q912,913,914, Q916,917 AF MUTE.
Q910,911
IC302
RAM
IC 302 LH5116NA-10
IC501
IC 501 TDA7330 RDS DEMODULATOR
X501 4.332M
Q501 RDS B+ SWITCH
IC404 BA4558F(1/2)
IC406 BA4558F(2/2)
IC407 TC4381F
IC403 CXA1646 B ELECTRIC VOLUME
IC405 HA13150 AF POWER AMP
Q102,103, Q202,203 MUTING
TOTAL CURRENT
ACC OFF : 4.5mA
POWER OFF } : 0.27A
ACC ON
FM: 0.69A
AM: 0.65A
TAPE, ▶ : 0.68A
▶▶, ◀◀ : 0.66A
JACK BOARD
CNP907
CNP905
LINE OUT REAR
CNP908
BU GND ACC P. ANT AMP. REM
RR + RR − FR + FR − FL + FL − RL + RL −
TO CORD (OUTPUT) (WITH CONNECTOR)


[DISPLAY PANEL BOARD]
LCD DISPLAY
IC701
IC 701
TC9240F
LCD DRIVER
PL 701
PL 702
(LCD BACK LIGHT)
R707 680
C703 0.47(F)
D701 DTZ5.1B
D702 DTZ5.6B
D703 DTZ5.6B
D704 DTZ5.6B
D705 DTZ5.6B
R701 1K
R702 1K
R703 1K
R704 47K
R705 560
C701 0.01(B)
R706 100K
C702 2200P(B)
D706
D707
D708
R708 620
14.3
12.3
3.9
2.0
BL
AD2
AD1
AD0
K.GND
DATA
CLK
CE
[RELAY BOARD]
S701 PANEL SW
MECHA DECK
[SWITCH BOARD]
SOL901
SOLENOIDS
CNB902
CNP902
SOL
N/R
MOTOR+
M901
S903
TAPE
S904
FF·REW
[MUTE SWITCH BOARD]
FWD - R
REV - R
FWD - L
REV - L
HP901
REV
FWD
S901
CNB903
CNP903
L
GND
R
MAIN BOARD

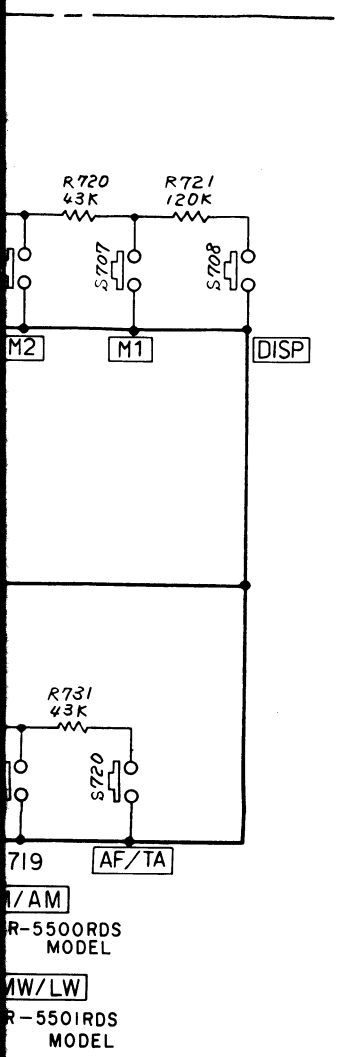
16



MAIN BOARD

Note on Schematic Diagram :

- All capacitors are in μF unless otherwise noted. pF: μ
  50WV or less are not indicated except for electrolytics a
  tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwi
  specified.
- ▭ : adjustment for repair.
- ▬ : B + Line.
- Power voltage is dc 14.4 V and fed with regulated dc pow
  supply from external power voltage.
  no mark : FM
  ( ) : AM
  [ ] : TAPE
- Voltages are taken with a VOM (input impedance 10 MΩ).
  Voltage variations may be noted due to normal producti
  tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal producti
  tolerances.

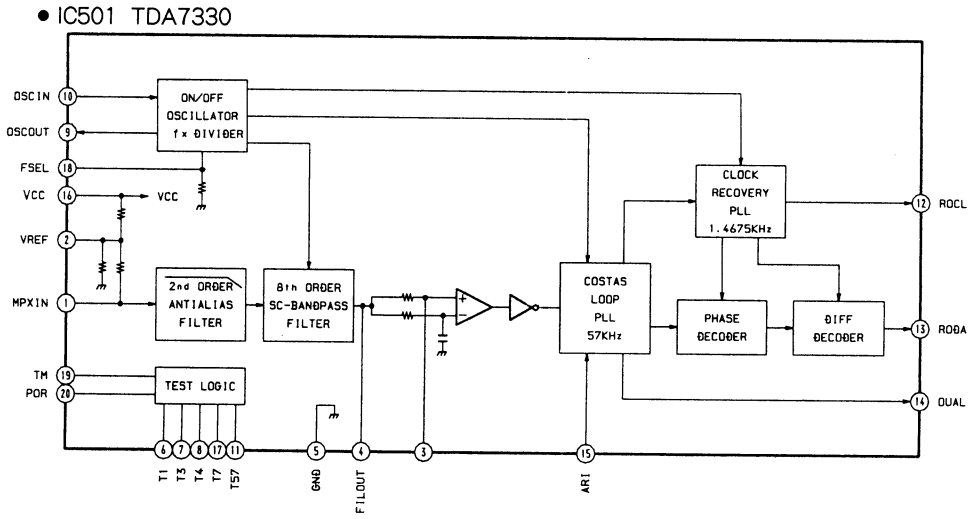


Note on Schematic Diagram :

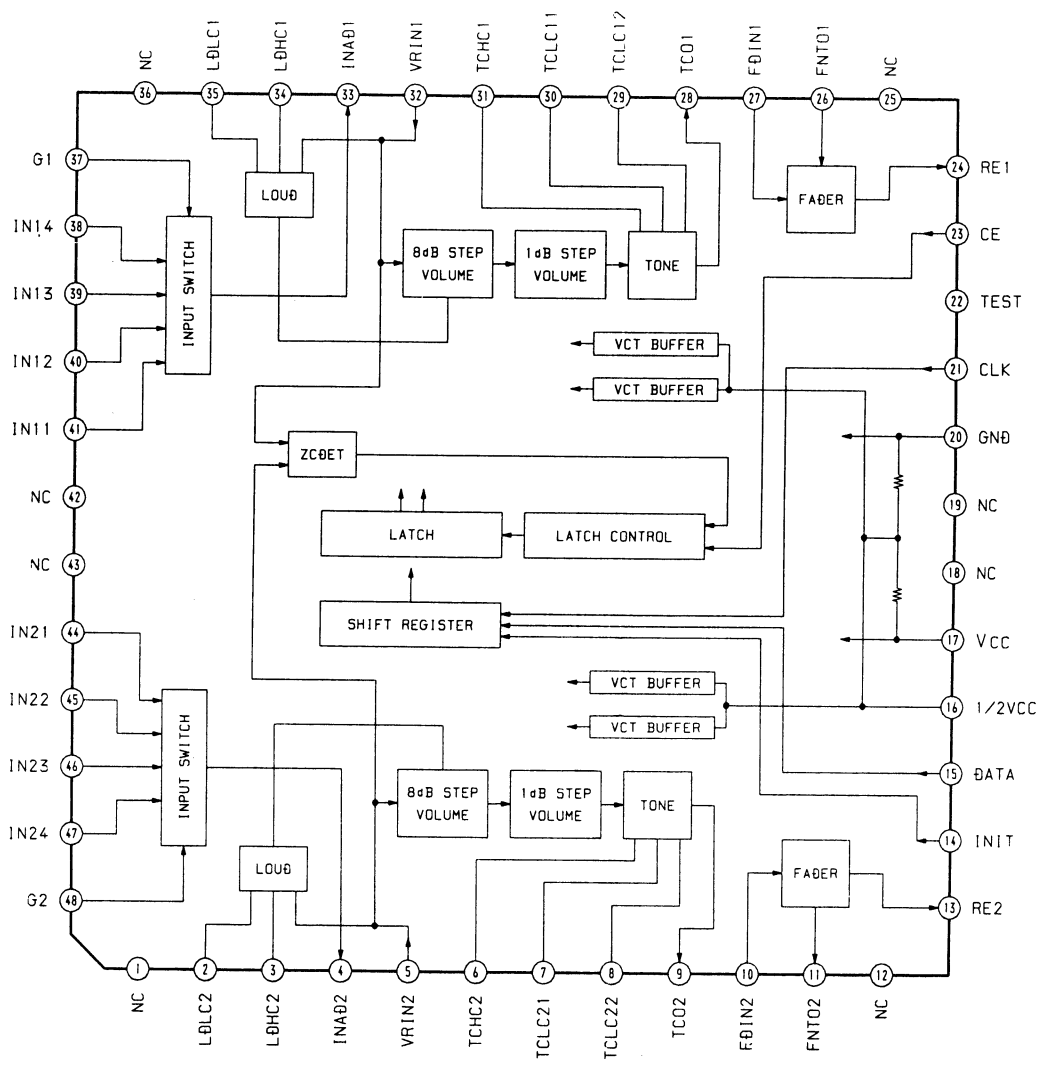
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▭ : adjustment for repair.
- ▬ : B + Line.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from external power voltage.
  no mark : FM
  ( ) : AM
  [ ] : TAPE
- Voltages are taken with a VOM (input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.

3-6. IC BLOCK DIAGRAMS

- IC501 TDA7330



- IC403 CXA1646Q



3-7. IC DESCRIPTION

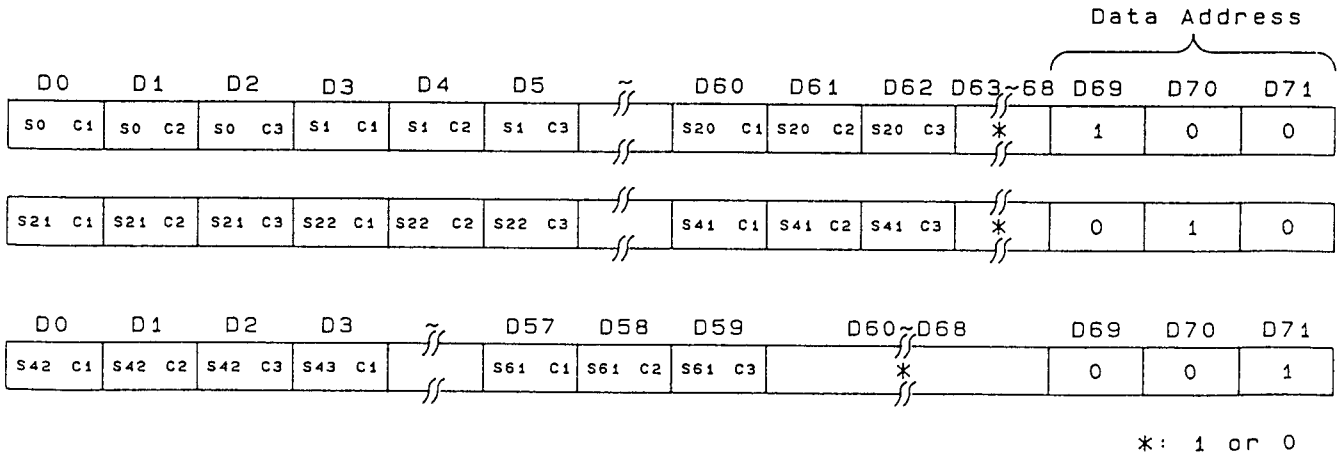
• IC701 TC 9240F (LCD driver)

LCD driver for displaying the frequency of the electronic tuning

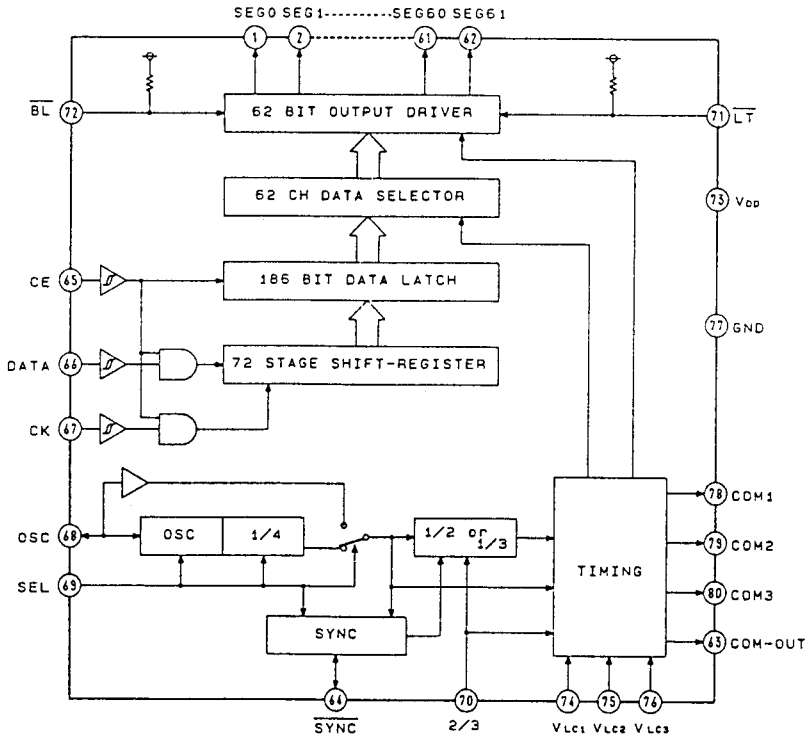
Pin No.	Pin Name	I/O	Description
1 to 61	SEG 0 to SEG 60	O	Segment output terminal
62 – 63		–	Not used.
64		–	Not used.
65	CE	I	Chip selector input terminal
66	DATA	I	Data input terminal
67	CK	I	Clock input terminal
68	OSC	–	Oscillation terminal
69	SEL	I	Master mode terminal
70	2/3	I	1/3duty mode
71	$\overline{LT}$	I	Lamp test input terminal Active = H : ALL segment is Light up
72	BL	I	Blanking input terminal Active = L : All segment branking
73	V_{DD}	–	Power supply terminal, + 5v
74	V_{LC1}	I	LCD drive bias voltage Setting Terminal
75	V_{LC2}	I	LCD drive bias voltage Setting Terminal
76	V_{LC3}	I	LCD drive bias voltage Setting Terminal
77	GND	–	Power supply terminal, GND
78	COM1	O	Common drive terminal
79	COM2	O	Common drive terminal
80	COM3	O	Common drive terminal

Data Transmission System

• Data Format



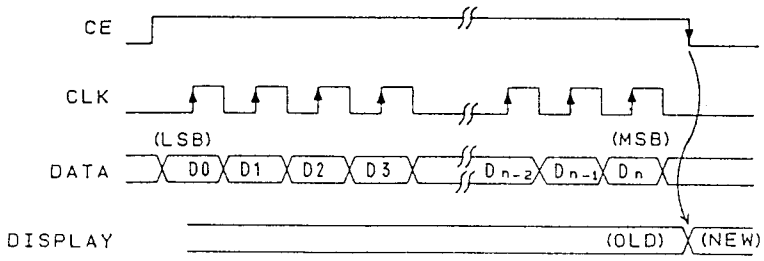
• Block Diagram (TC9240F)



Description of Operation

Input Data Format

- The display data are inputted according to the following timing.



- The data consisting of 72 bits (D0 – D71) is transferred 3 times.
- 3 bits from MSB, i.e. the last 3 bits represent the address data.

- Data format in 1/3 duty mode.

COM1 DATA : D0, D3, D6··· (D0 + 3n)
COM2 DATA : D1, D4, D7··· (D1 + 3n) (n = 0~61)
COM3 DATA : D2, D5, D8··· (D2 + 3n)

Address DATA : "100" = SEG0~SEG20
"010" = SEG21~SEG41
"001" = SEG42~SEG61

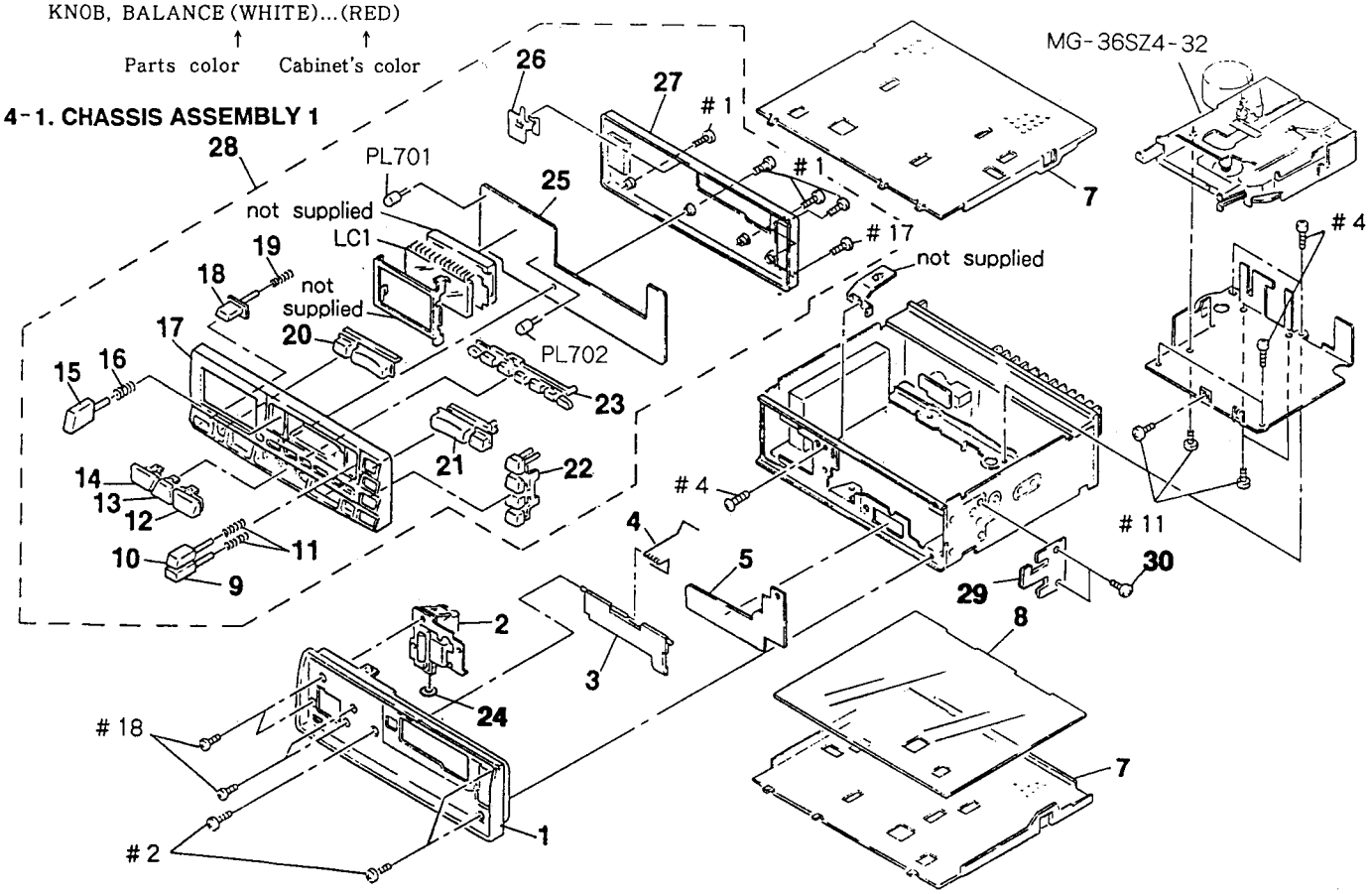
SECTION 4
EXPLODED VIEWS

- G : German
- 5500 : XR-5500RDS
- 5501 : XR-5501RDS

NOTE:

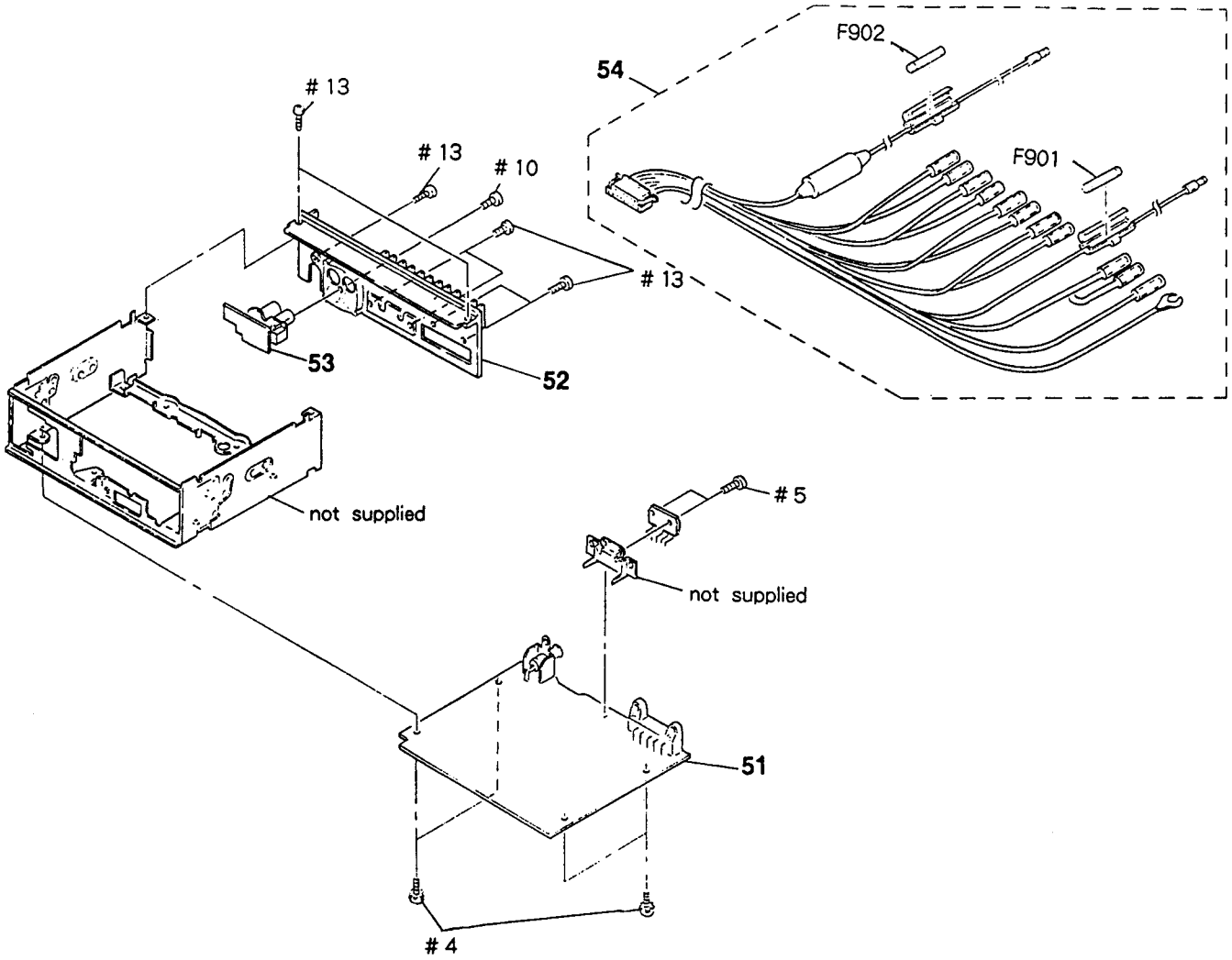
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

4-1. CHASSIS ASSEMBLY 1



Ref. No.	Part No.	Description	Remarks
1	3-384-659-01	PANEL, SUB (MADE IN JAPAN)	
* 1	3-386-524-01	PANEL, SUB (MAED IN FRANCE)	
2	X-3365-507-2	LOCK ASSY	
3	3-385-895-01	DOOR, CASSETTE (5500)	
3	3-385-895-11	DOOR, CASSETTE (5501)	
4	3-377-892-01	SPRING (C DOOR), TORSION	
5	1-646-333-11	RELAY, BOARD	
* 7	3-377-591-01	COVER	
8	3-377-593-21	INSULATOR (MAED IN FRANCE)	
* 8	3-388-283-21	INSULATOR (MADE IN JAPAN)	
9	3-384-654-01	BUTTON (REW)	
10	3-384-653-01	BUTTON (FF)	
11	3-375-372-01	SPRING (F/R)	
12	3-384-648-01	BUTTON (+) (MADE IN JAPAN)	
12	3-386-526-01	BUTTON (+) (MAED IN FRANCE)	
13	3-384-650-01	BUTTON (SEL) (MADE IN JAPAN)	
13	3-386-528-01	BUTTON (SEL) (MAED IN FRANCE)	
14	3-384-649-01	BUTTON (-) (MADE IN JAPAN)	
14	3-386-527-01	BUTTON (-) (MAED IN FRANCE)	
15	X-3366-086-1	BUTTON (EJECT) ASSY	
16	3-375-371-01	SPRING (EJECT) (MAED IN FRANCE)	
17	3-384-642-11	PANEL, FRONT (5500) (MADE IN JAPAN)	
17	3-387-352-21	PANEL, FRONT (5500) (MADE IN FRANCE)	
17	3-387-352-31	PANEL, FRONT (5501)	
18	3-384-652-01	BUTTON (RELEASE)	
19	3-375-373-01	SPRING (RELEASE)	
20	3-384-647-01	BUTTON (SEEK) (MADE IN JAPAN)	
20	3-386-523-01	BUTTON (SEEK) (MAED IN FRANCE)	
21	3-384-646-01	BUTTON (MANU) (MADE IN JAPAN)	
21	3-386-522-01	BUTTON (MANU) (MAED IN FRANCE)	
22	3-384-645-01	BUTTON (R4) (5500) (MADE IN JAPAN)	
22	3-386-521-01	BUTTON (R4) (5500) (MADE IN FRANCE)	
22	3-386-521-11	BUTTON (R4) (5501)	
23	3-384-667-01	BUTTON (1-6) (MADE IN JAPAN)	
23	3-387-353-01	BUTTON (1-6) (MAED IN FRANCE)	
24	7-624-101-01	STOP RING 1.2 (E TYPE)	
* 25	A-3295-271-A	MOUNTED PCB (B), SW (ILUMINATION, AMBER) (MADE IN JAPAN)	
* 25	A-3295-293-A	MOUNTED PCB (B), SW (ILUMINATION, AMBER) (MADE IN FRANCE)	
* 25	A-3295-422-A	MOUNTED PCB (B), SW (ILUMINATION, GREEN) (MADE IN JAPAN)	
* 25	A-3295-453-A	MOUNTED PCB (B), SW (ILUMINATION, GREEN) (MADE IN FRANCE)	
26	3-384-665-01	PLATE (F-S), GROUND	
27	3-384-643-01	PANEL, FRONT BACK (MADE IN JAPAN)	
27	3-386-520-01	PANEL, FRONT BACK (MAED IN FRANCE)	
28	A-3252-559-A	PANEL ASSY, FRONT (ILUMINATION, AMBER) (5500) (MADE IN JAPAN)	
28	A-3252-570-A	PANEL ASSY, FRONT (ILUMINATION, AMBER) (5500) (MADE IN FRANCE)	
28	A-3252-573-A	PANEL ASSY, FRONT (5501)	
* 28	A-3252-653-A	PANEL ASSY, FRONT (ILUMINATION, GREEN) (5500:AEP) (MADE IN JAPAN)	
* 28	A-3252-665-A	PANEL ASSY, FRONT (ILUMINATION, GREEN) (5500:AEP) (MADE IN FRANCE)	
* 29	3-387-688-01	PLATE (R), LOCK (MAED IN FRANCE)	
30	3-344-561-21	SCREW M4X4	
LC1	1-809-595-41	DISPLAY PANEL, LIQUID CRYSTAL	
PL701	1-518-646-11	LAMP, PILOT	
PL702	1-518-646-11	LAMP, PILOT	

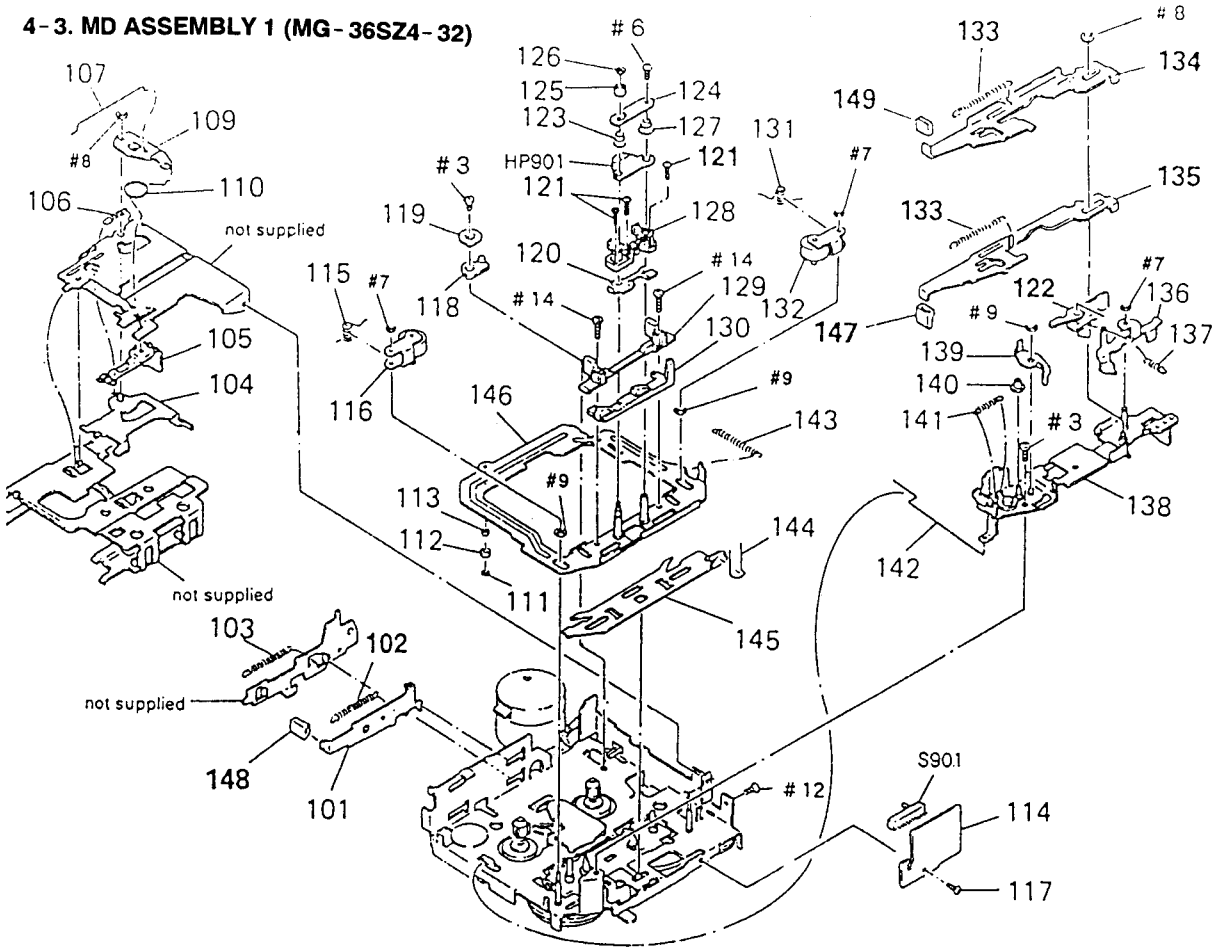
4-2. CHASSIS ASSEMBLY 2



Ref. No.	Part No.	Description	Remarks
* 51	A-3295-277-A	MOUNTED PCB (B), MAIN (5500:AEP) (MADE IN JAPAN)	
* 51	A-3295-286-A	MOUNTED PCB (B), MAIN (5500:G) (MADE IN FRANCE)	
* 51	A-3295-295-A	MOUNTED PCB (B), MAIN (5500:AEP) (MADE IN FRANCE)	
* 51	A-3295-299-A	MOUNTED PCB (B), MAIN (5501)	

Ref. No.	Part No.	Description	Remarks
* 52	3-384-663-01	HEAT SINK	
53	1-646-334-11	JACK, BOARD	
54	1-696-838-11	CORD (WITH CONNECTOR)	(MADE IN FRANCE)
* 54	1-696-838-21	CORD (WITH CONNECTOR)	(MADE IN JAPAN)
F901	1-532-414-11	FUSE, GLASS TUBE 1A	
F902	1-532-678-11	FUSE, GRASS TUBE 12A	

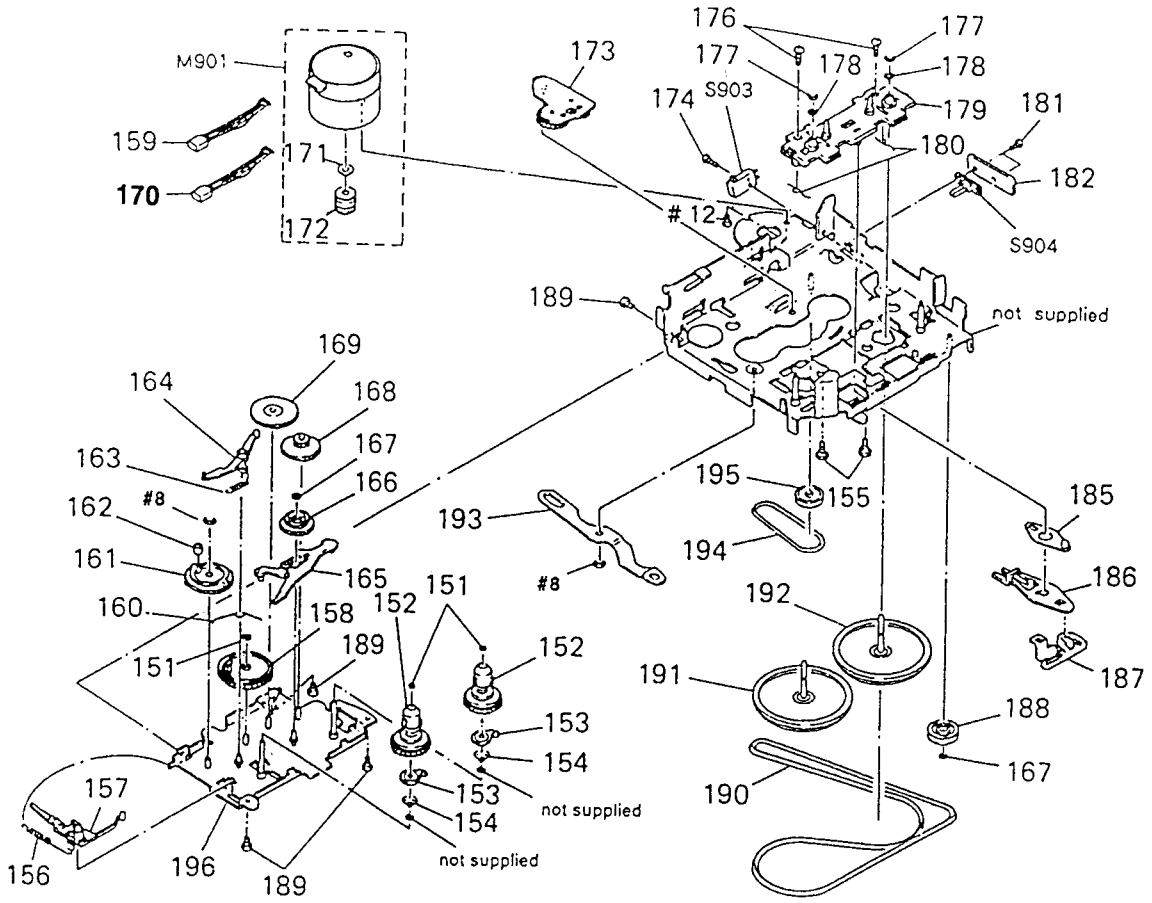
4-3. MD ASSEMBLY 1 (MG-36SZ4-32)



Ref. No.	Part No.	Description	Remarks
* 101	3-379-144-01	LEVER (S), EJECT	
102	3-392-950-01	SPRING	
103	3-392-951-01	SPRING	
* 104	3-392-921-01	LOCK ASSY, EJECT CAM	
105	3-392-972-01	FUKER TAPE	
106	3-392-953-01	SPRING	
107	3-392-969-01	LINK, RETURN	
* 109	3-392-932-01	PLATE, CENTER	
110	3-392-961-01	SPRING (B)	
111	3-570-615-00	POLY-WASHER (DIA. 1.2)	
112	3-392-945-01	ROLLER (A), H.P	
113	3-392-942-01	ROLLER (B), H.P	
114	3-392-970-01	CHASSIS, SWITCH	
115	3-392-958-01	SPRING (R)	
116	3-375-378-01	ARM (R) ASSY, PINCH	
* 117	4-908-792-11	SCREW (B2X3), TAPPING, P1	
118	3-372-244-01	ARM (N), MUTE	
* 119	3-397-427-01	COLLAR, MUTE ARM	
120	3-377-908-01	SHIM (X), ADJUSTOR	
121	3-375-379-01	SCREW, AZIMUTH	
122	3-392-903-01	ARM, RELEASE	
123	3-392-956-01	SPRING (A)	
* 124	3-392-930-01	RETAINER, SPRING	
125	3-392-943-01	ROLLER, FF	
126	3-676-387-00	POLY-SLIDER (DIA. 1.6)	

Ref. No.	Part No.	Description	Remarks
127	3-392-955-01	SPRING (A)	
* 128	3-379-142-01	ARM (B), ADJUSTOR	
129	3-392-984-02	GUIDE, TAPE	
130	3-377-909-02	LINK (X), ADJUSTOR	
131	3-392-957-01	SPRING (F)	
132	3-375-377-01	ARM (F) ASSY, PINCH	
133	3-392-948-01	SPRING	
* 134	3-379-145-01	LEVER (S), FF	
* 135	3-379-146-01	LEVER (S), REW	
* 136	3-392-935-01	ARM, LOCK	
137	3-392-917-01	SPRING	
* 138	3-372-242-01	BRACKET ASSY (D), LEVER	
* 139	3-392-933-01	LEVER (B), CHANGE	
140	3-392-994-01	ROLLER, PROGRAM	
141	3-392-954-01	SPRING	
142	3-372-243-01	LINK (B), SELECTOR	
143	3-392-952-01	SPRING	
144	3-392-962-01	SPRING	
* 145	3-392-919-01	ARM ASSY, F,R SELECTION	
* 146	3-392-975-05	PLATE ASSY (S), HEAD	
* 147	3-379-139-01	BUTTON, REW	
* 148	3-379-140-01	BUTTON, EJECT	
* 149	3-379-141-01	BUTTON, FF	
HP901	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)	
* S901	1-692-502-11	SWITCH, SLIDE	

4-4. MD ASSEMBLY 2 (MG-36SZ4-32)



Ref. No.	Part No.	Description	Remarks
151	3-676-387-00	POLY-SLIDER (DIA. 1.6)	
152	3-376-196-01	SPINDLE ASSY (S), REEL	
153	3-375-380-01	CAM ASSY, DETECTION	
154	3-370-619-01	SPRING, BACK TENSION	
155	3-392-918-01	SCREW, EJECT HOOK	
156	3-392-959-01	SPRING	
157	3-392-985-02	RATCHET	
158	3-392-990-01	GEAR, DETECTION	
159	3-387-910-01	CONNECTOR ASSY, 10P	
160	3-392-960-01	SPRING	
161	3-392-987-01	GEAR, SELECTOR	
162	3-392-944-01	COLLAR (CELECTER GEAR)	
163	3-375-131-01	SPRING, GEAR LOCK ARM	
164	3-392-989-02	ARM, GEAR LOCK	
165	3-392-986-01	ARM, SENSOR	
166	3-392-915-01	GEAR, IDLE	
167	3-570-615-00	POLY-WASHER (DIA. 1.2)	
168	3-392-936-01	GEAR (A)	
169	3-392-937-01	GEAR (B)	
* 170	3-379-131-01	SHIELD ASSY (B), 3 ARBOR	
* 171	3-392-912-01	WASHER, MYLAR	
* 172	3-392-913-01	PULLEY, MOTOR	
173	3-392-916-01	ARM ASSY, TU GEAR	

Ref. No.	Part No.	Description	Remarks
174	3-318-203-11	SCREW (B1.7X6), TAPPING	
176	3-318-204-81	SCREW (M1.7X3), TAPPING	
177	3-590-768-00	RING (A), E	
178	3-701-437-11	POLY-SLIDER (A)	
* 179	3-375-381-01	BRACKET ASSY (X), CM	
180	3-392-963-01	SPRING (R)	
181	3-318-204-91	SCREW (M1.7X4), TAPPING	
182	3-375-376-01	MUTE (PWB)	
* 185	3-392-925-01	ARM (A) ASSY, F.R	
* 186	3-392-939-01	ARM, FF	
* 187	3-392-934-01	ARM (B), F.R	
188	3-392-941-01	PULLEY (A), IDLE	
* 189	4-908-792-11	SCREW (B2X3), TAPPING, P1	
190	3-392-967-01	BELT, MAIN	
191	3-392-995-02	FLYWHEEL ASSY (BR)	
192	3-392-926-02	FLYWHEEL ASSY (BF)	
* 193	3-392-979-01	LEVER, REVERSE	
194	3-375-375-02	BELT (C), SUB	
195	3-392-938-01	GEAR, PULLY	
* 196	3-392-976-01	BASE ASSY, REEL	
M901	X-3364-496-1	MOTOR ASSY	
S903	1-692-065-11	SWITCH, LEAF	
S904	1-554-790-21	SWITCH, POWER	

SECTION 5
ELECTRICAL PARTS LIST

JACK | **MAIN**

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS :
  uF : μF
- RESISTORS
  All resistors are in ohms.
  METAL : metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- COILS
  uH : μH
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA... : μA... , uPA... , μPA... ,
  uPB... , μPB... , uPC... , μPC... ,
  uPD..., μPD...

- G : German
- 5500 : XR-5500RDS
- 5501 : XR-5501RDS

Ref. No.	Part No.	Description			Remarks
*	1-646-334-11	JACK BOARD			
		**********			
		< CONNECTOR >			
CNP905	1-573-744-11	JACK, PIN 2P			
**********					
*	A-3295-277-A	MOUNTED PCB (B), MAIN			
		**********			
		(5500:AEP) (MADE IN JAPAN)			
*	A-3295-286-A	MOUNTED PCB (B), MAIN			
		**********			
		(5500:G) (MADE IN FRANCE)			
*	A-3295-295-A	MOUNTED PCB (B), MAIN			
		**********			
		(5500:AEP) (MADE IN FRANCE)			
*	A-3295-299-A	MOUNTED PCB (B), MAIN (5501)			
		**********			
	7-621-700-XX	SCREW +PTT 2.6X8 (S)			
		< CAPACITOR >			
C1	1-163-237-11	CERAMIC CHIP	27PF	5% 50V	
C1	1-163-227-11	CERAMIC CHIP	10PF	0.5PF 50V	
C2	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C3	1-163-157-00	FILM	0.022uF	5% 50V	
C4	1-124-229-00	ELECT	33uF	20% 10V	
C5	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C6	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C7	1-124-229-00	ELECT	33uF	20% 10V	
C8	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C10	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C11	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C14	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C15	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C16	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
					(5500:AEP, 5501)
C16	1-163-024-11	CERAMIC CHIP	0.018uF	10% 25V	
					(5500:G)
C17	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
					(5500:AEP, 5501)

Ref. No.	Part No.	Description			Remarks
C17	1-163-024-11	CERAMIC CHIP	0.018uF	10% 25V	
					(5500:G)
C18	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C19	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C20	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C21	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V	
C22	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C23	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C24	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C25	1-164-343-11	CERAMIC CHIP	0.056uF	10% 25V	
C26	1-126-157-11	ELECT	10uF	20% 16V	
C27	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V	
C28	1-126-288-11	ELECT	4.7uF	20% 16V	
C29	1-126-301-11	ELECT	1uF	20% 50V	
C30	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C31	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C32	1-126-301-11	ELECT	1uF	20% 50V	
C33	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C34	1-164-161-11	CERAMIC CHIP	0.0022uF	10% 100V	
C35	1-163-037-11	CERAMIC CHIP	0.022uF	10% 25V	
C36	1-126-157-11	ELECT	10uF	20% 16V	
C37	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C38	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C39	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C40	1-164-299-11	CERAMIC CHIP	0.22uF	10% 25V	
C41	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C42	1-126-301-11	ELECT	1uF	20% 50V	
C43	1-163-809-11	CERAMIC CHIP	0.047uF	10% 25V	
C44	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C45	1-163-237-11	CERAMIC CHIP	27PF	5% 50V	
C46	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	
C47	1-164-004-11	CERAMIC CHIP	0.1uF	10% 25V	
C48	1-124-252-00	ELECT	0.33uF	20% 50V	
C49	1-126-301-11	ELECT	1uF	20% 50V	
C50	1-126-301-11	ELECT	1uF	20% 50V	
C51	1-136-165-00	FILM	0.1uF	5% 50V	
C52	1-136-153-00	FILM	0.01uF	5% 50V	
C53	1-110-351-11	MYLAR	0.001uF	5% 50V	
C54	1-124-499-11	ELECT, NONPOLAR	1uF	20% 50V	
C55	1-163-157-00	FILM	0.022uF	5% 50V	
C56	1-124-234-00	ELECT	22uF	20% 16V	
C57	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	

MAIN

Ref. No.	Part No.	Description			Remarks
C58	1-124-229-00	ELECT	33uF	20%	10V
C59	1-126-157-11	ELECT	10uF	20%	16V
C60	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C61	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C62	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C63	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C64	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C65	1-136-153-00	FILM	0.01uF	5%	50V
C66	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C101	1-130-469-00	MYLAR	680PF	5%	50V
C102	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C103	1-136-153-00	FILM	0.01uF	5%	50V
C104	1-124-234-00	ELECT	22uF	20%	16V
C105	1-126-157-11	ELECT	10uF	20%	16V
C106	1-126-301-11	ELECT	1uF	20%	50V
C107	1-124-254-00	ELECT	0.68uF	20%	50V
C108	1-126-301-11	ELECT	1uF	20%	50V
C109	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C110	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C111	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C112	1-164-299-11	CERAMIC CHIP	0.22uF	10%	25V
C113	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C114	1-126-157-11	ELECT	10uF	20%	16V
C115	1-126-157-11	ELECT	10uF	20%	16V
C116	1-126-157-11	ELECT	10uF	20%	16V
C117	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C118	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C119	1-136-165-00	FILM	0.1uF	5%	50V
C120	1-136-165-00	FILM	0.1uF	5%	50V
C121	1-136-165-00	FILM	0.1uF	5%	50V
C122	1-136-165-00	FILM	0.1uF	5%	50V
C123	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C124	1-126-301-11	ELECT	1uF	20%	50V
C201	1-130-469-00	MYLAR	680PF	5%	50V
C202	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C203	1-136-153-00	FILM	0.01uF	5%	50V
C204	1-124-234-00	ELECT	22uF	20%	16V
C205	1-126-157-11	ELECT	10uF	20%	16V
C206	1-126-301-11	ELECT	1uF	20%	50V
C207	1-124-254-00	ELECT	0.68uF	20%	50V
C208	1-126-301-11	ELECT	1uF	20%	50V
C209	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C210	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C211	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C212	1-164-299-11	CERAMIC CHIP	0.22uF	10%	25V
C213	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C214	1-126-157-11	ELECT	10uF	20%	16V
C215	1-126-157-11	ELECT	10uF	20%	16V
C216	1-126-157-11	ELECT	10uF	20%	16V
C217	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C218	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C219	1-136-165-00	FILM	0.1uF	5%	50V
C220	1-136-165-00	FILM	0.1uF	5%	50V
C221	1-136-165-00	FILM	0.1uF	5%	50V
C222	1-136-165-00	FILM	0.1uF	5%	50V

Ref. No.	Part No.	Description			Remarks
C223	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C224	1-126-301-11	ELECT	1uF	20%	50V
C301	1-124-584-00	ELECT	100uF	20%	10V
C302	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C303	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C304	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C305	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C306	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C307	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C308	1-125-701-11	DOUBLE LAYERS	0.047F		5.5V
C407	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C408	1-126-157-11	ELECT	10uF	20%	16V
C409	1-124-584-00	ELECT	100uF	20%	10V
C410	1-124-584-00	ELECT	100uF	20%	10V
C411	1-124-584-00	ELECT	100uF	20%	10V
C413	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C414	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C415	1-126-157-11	ELECT	10uF	20%	16V
C416	1-124-229-00	ELECT	33uF	20%	10V
C417	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C418	1-128-268-11	ELECT	3300uF	20%	16V
C419	1-136-165-00	FILM	0.1uF	5%	50V
C421	1-126-157-11	ELECT	10uF	20%	16V
C422	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C423	1-124-584-00	ELECT	100uF	20%	10V
C424	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C425	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C426	1-126-157-11	ELECT	10uF	20%	16V
C427	1-126-288-11	ELECT	4.7uF	20%	16V
C431	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C432	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C433	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C434	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C435	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C436	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C437	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C438	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C439	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C440	1-131-349-00	TANTAL. CHIP	2.2uF	20%	20V
C501	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C502	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C503	1-126-157-11	ELECT	10uF	20%	16V
C504	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C505	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C506	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C507	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C508	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C509	1-124-584-00	ELECT	100uF	20%	10V
C901	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C902	1-126-301-11	ELECT	1uF	20%	50V
C903	1-126-301-11	ELECT	1uF	20%	50V
C904	1-124-463-00	ELECT	0.1uF	20%	50V
C907	1-126-157-11	ELECT	10uF	20%	16V
C908	1-124-234-00	ELECT	22uF	20%	16V
C909	1-124-229-00	ELECT	33uF	20%	10V

Ref. No.	Part No.	Description			Remarks
C910	1-131-353-00	TANTALUM	10uF	10%	35V
C912	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C913	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C914	1-124-229-00	ELECT	33uF	20%	10V
C915	1-124-584-00	ELECT	100uF	20%	10V
C916	1-124-234-00	ELECT	22uF	20%	16V
C917	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C918	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C919	1-164-222-11	CERAMIC CHIP	0.22uF		25V
		< FILTER >			
CF1	1-579-568-11	FILTER, CERAMIC			
CF2	1-579-568-11	FILTER, CERAMIC			
		< JACK >			
CNJ1	1-691-512-11	SOCKET, CONNECTOR (ANT)			
CNJ904	1-573-122-11	SOCKET, CONNECTOR 12P			
		< CONNECTOR >			
CNP901	1-691-512-11	SOCKET, CONNECTOR (ANT)			
* CNP902	1-506-992-11	PIN, CONNECTOR (PC BOARD) 10P			
* CNP903	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			
* CNP904	1-573-122-21	SOCKET, CONNECTOR 12P			
* CNP907	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			
* CNP908	1-750-064-11	PLUG, CONNECTOR 15P			
		< DIODE >			
D1	8-719-911-19	DIODE	1SS119		
D2	8-719-911-19	DIODE	1SS119		
D3	8-719-911-19	DIODE	1SS119		
D7	8-719-911-19	DIODE	1SS119		
D8	8-719-911-19	DIODE	1SS119		
D401	8-719-911-19	DIODE	1SS119		
D404	8-719-110-03	DIODE	RD7.5ES-B2		
D405	8-719-038-09	DIODE	RL254-H21		
D406	8-719-109-81	DIODE	RD4.7ES-B2		
D407	8-719-109-81	DIODE	RD4.7ES-B2		
D901	8-719-109-93	DIODE	RD6.2ES-B2		
D904	8-719-110-03	DIODE	RD7.5ES-B2		
D905	8-719-911-19	DIODE	1SS119		
D906	8-719-911-19	DIODE	1SS119		
D907	8-719-109-93	DIODE	RD6.2ES-B2		
D908	8-719-200-82	DIODE	11ES2		
D909	8-719-200-82	DIODE	11ES2		
D910	8-719-110-13	DIODE	RD9.1ES-B2		
D911	8-719-911-19	DIODE	1SS119		
D913	8-719-911-19	DIODE	1SS119		
D914	8-719-911-19	DIODE	1SS119		
D915	8-719-911-19	DIODE	1SS119		
D916	8-719-911-19	DIODE	1SS119		
D917	8-719-921-80	DIODE	MTZJ-11B		
D918	8-719-911-19	DIODE	1SS119		
D919	8-719-977-04	DIODE	DTZ5.6C		
D920	8-719-988-62	DIODE	1SS355		
D921	8-719-988-62	DIODE	1SS355		

Ref. No.	Part No.	Description		Remarks
		< IC >		
IC1	8-759-090-30	IC	TA2027F	
IC2	8-759-234-77	IC	TC4S66F	
IC301	8-759-165-40	IC	uPD17006GF-551-3B9	
IC302	8-752-323-63	IC	CXK5816M-10L	
IC303	8-759-171-75	IC	PST600FMT-T1	
IC401	8-759-076-00	IC	M51524FP-E1	
IC402	8-752-032-14	IC	CXA1102M	
IC403	8-752-063-44	IC	CXA1646Q-T6	
IC404	8-759-909-71	IC	BA4558F	
IC405	8-759-159-98	IC	159-98	
IC406	8-759-909-71	IC	BA4558F	
IC407	8-759-209-97	IC	TC4S81F	
IC501	8-759-057-53	IC	TDA7330D-013TR	
IC901	8-759-163-80	IC	BA-3910-V1	
		< JUMPER RESISTOR >		
JR401	1-216-295-00	METAL CHIP	0 5% 1/10W	
		< COIL >		
L1	1-410-973-11	INDUCTOR	22uH	
L2	1-410-969-11	INDUCTOR	4.7uH	
L4	1-410-973-11	INDUCTOR	22uH	
L5	1-410-973-11	INDUCTOR	22uH	
L6	1-410-971-11	INDUCTOR	10uH	
L7	1-410-967-11	INDUCTOR	2.2uH	
L901	1-410-967-11	INDUCTOR	2.2uH	
		< TRANSISTOR >		
Q1	8-729-901-01	TRANSISTOR	DTC144EK	
Q2	8-729-901-06	TRANSISTOR	DTA144EK (5501)	
Q3	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q5	8-729-901-01	TRANSISTOR	DTC144EK	
Q6	8-729-216-22	TRANSISTOR	2SA1162	
Q7	8-729-900-53	TRANSISTOR	DTC114EK	
Q8	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q9	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q10	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q11	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q12	8-729-901-01	TRANSISTOR	DTC144EK	
Q13	8-729-901-01	TRANSISTOR	DTC144EK	
Q14	8-729-901-01	TRANSISTOR	DTC144EK	
Q15	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q16	8-729-901-78	TRANSISTOR	2SC2412K-T-146-R	
Q17	8-729-901-01	TRANSISTOR	DTC144EK	
Q18	8-729-901-01	TRANSISTOR	DTC144EK	
Q101	8-729-920-21	TRANSISTOR	DTC314TKH04	
Q102	8-729-920-21	TRANSISTOR	DTC314TKH04	
Q103	8-729-920-21	TRANSISTOR	DTC314TKH04	
Q201	8-729-920-21	TRANSISTOR	DTC314TKH04	
Q202	8-729-920-21	TRANSISTOR	DTC314TKH04	
Q203	8-729-920-21	TRANSISTOR	DTC314TKH04	
Q301	8-729-901-06	TRANSISTOR	DTA144EK	
Q401	8-729-106-60	TRANSISTOR	2SB1115A	

MAIN

Ref. No.	Part No.	Description	Remarks
Q402	8-729-900-53	TRANSISTOR DTC114EK	
Q501	8-729-901-06	TRANSISTOR DTA144EK	
Q901	8-729-901-78	TRANSISTOR 2SC2412K-T-146-R	
Q902	8-729-901-98	TRANSISTOR 2SA1036K-R	
Q903	8-729-901-01	TRANSISTOR DTC144EK	
Q904	8-729-106-68	TRANSISTOR 2SD1615A-GP	
Q905	8-729-901-04	TRANSISTOR DTA114EK	
Q906	8-729-924-XX	TRANSISTOR 2SC3722K-T146-E	
Q907	8-729-901-06	TRANSISTOR DTA144EK	
Q908	8-729-901-01	TRANSISTOR DTC144EK	
Q909	8-729-901-06	TRANSISTOR DTA144EK	
Q910	8-729-901-04	TRANSISTOR DTA114EK	
Q911	8-729-901-01	TRANSISTOR DTC144EK	
Q912	8-729-901-04	TRANSISTOR DTA114EK	
Q913	8-729-901-01	TRANSISTOR DTC144EK	
Q914	8-729-216-22	TRANSISTOR 2SA1162	
Q915	8-729-901-01	TRANSISTOR DTC144EK	
Q916	8-729-901-06	TRANSISTOR DTA144EK	
Q917	8-729-901-01	TRANSISTOR DTC144EK	
Q918	8-729-807-12	TRANSISTOR 2SC3073-Y	
		< RESISTOR >	
R2	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R3	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R4	1-216-039-00	METAL CHIP 390 5% 1/10W	
R5	1-216-039-00	METAL CHIP 390 5% 1/10W	
R6	1-216-039-00	METAL CHIP 390 5% 1/10W	
R7	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R8	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R9	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R10	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R14	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R15	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R16	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R17	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R18	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R19	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R20	1-216-039-00	METAL CHIP 390 5% 1/10W	
R21	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R22	1-216-076-00	METAL CHIP 13K 5% 1/10W	
R22	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R23	1-216-066-00	METAL CHIP 5.1K 5% 1/10W	
R24	1-216-072-00	METAL CHIP 9.1K 5% 1/10W	
R25	1-216-070-00	METAL CHIP 7.5K 5% 1/10W	
R26	1-216-061-00	METAL CHIP 3.3K 5% 1/10W (5500:G)	
R26	1-216-073-00	METAL CHIP 10K 5% 1/10W (5500:AEP, 5501)	
R27	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R28	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R29	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R30	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R31	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R32	1-216-085-00	METAL CHIP 33K 5% 1/10W	

Ref. No.	Part No.	Description	Remarks
R33	1-216-071-00	METAL CHIP 8.2K 5% 1/10W	
R34	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R35	1-216-046-00	METAL CHIP 750 5% 1/10W	
R36	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R37	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R38	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R39	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R40	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R41	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R42	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R43	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R44	1-208-291-91	METAL GLAZE 4.7M 5% 1/10W	
R45	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R46	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R47	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R48	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R49	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R50	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R52	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R53	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R54	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R55	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R56	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R57	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R58	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R59	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R60	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R61	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R62	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R63	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R64	1-216-037-00	METAL CHIP 330 5% 1/10W	
R65	1-249-393-11	CARBON 10 5% 1/4W F	
R66	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R67	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R101	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R102	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R103	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R104	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R105	1-216-031-00	METAL CHIP 180 5% 1/10W	
R108	1-216-041-00	METAL CHIP 470 5% 1/10W	
R110	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R111	1-216-113-00	METAL CHIP 470K 5% 1/10W	
R112	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R113	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R114	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R115	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R116	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R117	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R118	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R119	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R120	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R121	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R122	1-216-129-00	METAL CHIP 2.2M 5% 1/10W	
R123	1-216-129-00	METAL CHIP 2.2M 5% 1/10W	
R124	1-216-298-00	METAL CHIP 2.2 5% 1/10W	

Ref. No.	Part No.	Description			Remarks
R125	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R126	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R127	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R128	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R201	1-216-089-00	METAL CHIP	47K	5%	1/10W
R202	1-216-077-00	METAL CHIP	15K	5%	1/10W
R203	1-216-081-00	METAL CHIP	22K	5%	1/10W
R204	1-216-109-00	METAL CHIP	330K	5%	1/10W
R205	1-216-031-00	METAL CHIP	180	5%	1/10W
R208	1-216-041-00	METAL CHIP	470	5%	1/10W
R210	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R211	1-216-113-00	METAL CHIP	470K	5%	1/10W
R212	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R213	1-216-073-00	METAL CHIP	10K	5%	1/10W
R214	1-216-073-00	METAL CHIP	10K	5%	1/10W
R215	1-216-073-00	METAL CHIP	10K	5%	1/10W
R216	1-216-049-00	METAL CHIP	1K	5%	1/10W
R217	1-216-049-00	METAL CHIP	1K	5%	1/10W
R218	1-216-075-00	METAL CHIP	12K	5%	1/10W
R219	1-216-075-00	METAL CHIP	12K	5%	1/10W
R220	1-216-077-00	METAL CHIP	15K	5%	1/10W
R221	1-216-077-00	METAL CHIP	15K	5%	1/10W
R222	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R223	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R224	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R225	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R226	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R227	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R228	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R301	1-216-089-00	METAL CHIP	47K	5%	1/10W
R302	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R304	1-216-017-00	METAL CHIP	47	5%	1/10W
R305	1-216-089-00	METAL CHIP	47K	5%	1/10W (5500)
R306	1-216-085-00	METAL CHIP	33K	5%	1/10W
R307	1-216-085-00	METAL CHIP	33K	5%	1/10W
R308	1-216-085-00	METAL CHIP	33K	5%	1/10W
R311	1-216-097-00	METAL CHIP	100K	5%	1/10W
R312	1-216-089-00	METAL CHIP	47K	5%	1/10W
R313	1-216-105-00	METAL CHIP	220K	5%	1/10W
R314	1-216-089-00	METAL CHIP	47K	5%	1/10W
R316	1-216-089-00	METAL CHIP	47K	5%	1/10W
R317	1-216-089-00	METAL CHIP	47K	5%	1/10W
R318	1-216-097-00	METAL CHIP	100K	5%	1/10W
R319	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R320	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R321	1-216-049-00	METAL CHIP	1K	5%	1/10W
R322	1-216-049-00	METAL CHIP	1K	5%	1/10W
R323	1-216-049-00	METAL CHIP	1K	5%	1/10W
R324	1-216-049-00	METAL CHIP	1K	5%	1/10W
R325	1-216-049-00	METAL CHIP	1K	5%	1/10W
R326	1-216-049-00	METAL CHIP	1K	5%	1/10W
R327	1-216-176-00	METAL GLAZE	120	5%	1/8W
R328	1-216-176-00	METAL GLAZE	120	5%	1/8W
R329	1-216-097-00	METAL CHIP	100K	5%	1/10W (5501)
R332	1-216-089-00	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remarks
R401	1-216-073-00	METAL CHIP	10K	5%	1/10W
R402	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R403	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R404	1-216-198-00	METAL CHIP	1K	5%	1/8W
R414	1-216-088-00	METAL CHIP	43K	5%	1/10W
R415	1-216-021-00	METAL CHIP	68	5%	1/10W
R417	1-216-073-00	METAL CHIP	10K	5%	1/10W
R418	1-216-001-00	METAL CHIP	10	5%	1/10W
R421	1-216-111-00	METAL CHIP	390K	5%	1/10W
R422	1-216-073-00	METAL CHIP	10K	5%	1/10W
R423	1-216-073-00	METAL CHIP	10K	5%	1/10W
R424	1-216-049-00	METAL CHIP	1K	5%	1/10W
R425	1-216-049-00	METAL CHIP	1K	5%	1/10W
R426	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R428	1-216-073-00	METAL CHIP	10K	5%	1/10W
R429	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R430	1-216-073-00	METAL CHIP	10K	5%	1/10W
R499	1-247-767-11	CARBON	2.2		1/4W
R501	1-216-089-00	METAL CHIP	47K	5%	1/10W
R502	1-216-089-00	METAL CHIP	47K	5%	1/10W
R504	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R901	1-216-049-00	METAL CHIP	1K	5%	1/10W
R902	1-216-049-00	METAL CHIP	1K	5%	1/10W
R903	1-216-049-00	METAL CHIP	1K	5%	1/10W
R904	1-216-049-00	METAL CHIP	1K	5%	1/10W
R905	1-216-121-00	METAL CHIP	1M	5%	1/10W
R906	1-216-121-00	METAL CHIP	1M	5%	1/10W
R907	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R908	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R909	1-216-073-00	METAL CHIP	10K	5%	1/10W
R910	1-216-174-00	METAL GLAZE	100	5%	1/8W
R911	1-216-073-00	METAL CHIP	10K	5%	1/10W
R912	1-216-083-00	METAL CHIP	27K	5%	1/10W
R913	1-216-025-00	METAL CHIP	100	5%	1/10W
R914	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R915	1-216-081-00	METAL CHIP	22K	5%	1/10W
R916	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R917	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R918	1-216-133-00	METAL CHIP	3.3M	5%	1/10W
R919	1-216-089-00	METAL CHIP	47K	5%	1/10W
R920	1-216-049-00	METAL CHIP	1K	5%	1/10W
R921	1-216-049-00	METAL CHIP	1K	5%	1/10W
R922	1-216-049-00	METAL CHIP	1K	5%	1/10W
R924	1-216-073-00	METAL CHIP	10K	5%	1/10W
R925	1-216-025-00	METAL CHIP	100	5%	1/10W
R926	1-216-089-00	METAL CHIP	47K	5%	1/10W
R927	1-216-043-00	METAL CHIP	560	5%	1/10W
R930	1-216-049-00	METAL CHIP	1K	5%	1/10W
R931	1-216-035-00	METAL CHIP	270	5%	1/10W
R932	1-216-049-00	METAL CHIP	1K	5%	1/10W
R934	1-216-025-00	METAL CHIP	100	5%	1/10W
R935	1-216-073-00	METAL CHIP	10K	5%	1/10W

MAIN | RELAY | SW

Ref. No.	Part No.	Description	Remarks
		< VARIABLE RESISTOR >	
RV1	1-238-021-11	RES, ADJ, CARBON 220K	
RV2	1-241-631-11	RES, ADJ, CARBON 22K	
RV3	1-241-630-11	RES, ADJ, CARBON 10K	
RV101	1-241-630-11	RES, ADJ, CARBON 10K	
RV201	1-241-630-11	RES, ADJ, CARBON 10K	
		< SWITCH >	
S301	1-571-478-11	SWITCH, SLIDE (P.SET, ON/OFF)	
		< TRANSFORMER >	
T1	1-404-955-11	TRANSFORMER, IF	
		< THERMISTOR >	
TH1	1-810-032-21	THERMISTOR NTH5G29A221K01TE	
		< TUNER >	
TU1	1-693-001-11	TUNER UNIT (FM/MW/LW)(5501)	
TU1	1-693-000-21	TUNER UNIT (FM/AM)(5500)	
		< VIBRATOR >	
X1	1-579-278-11	VIBLATOR, CERAMIC (4.56KHz)	
X301	1-567-713-11	VIBRATOR, CRYSTAL (4.5MHz)	
X501	1-579-242-41	VIBRATOR, CRYSTAL (4.332MHz)	
**********			
*	1-646-333-11	RELAY BOARD	
		**********	
		< SWITCH >	
S701	1-692-366-11	SWITCH, PUSH (1 KEY)	
		< JACK >	
* CNJ904	1-691-558-11	SOCKET, CONNECTOR 12P	
		< CONNECTOR >	
CNP906	1-573-121-11	PIN, CONNECTOR 12P	
**********			

Ref. No.	Part No.	Description	Remarks
*	A-3295-271-A	SW BOARD, COMPLETE (ILUMINATION, AMBER)	
		**********	(MAID IN JAPAN)
*	A-3295-293-A	SW BOARD, COMPLETE (ILUMINATION, AMBER)	
		**********	(MAID IN FRANCE)
*	A-3295-422-A	SW BOARD, COMPLETE (ILUMINATION, GREEN)	
		**********	(MAID IN JAPAN)
*	A-3295-453-A	SW BOARD, COMPLETE (ILUMINATION, GREEN)	
		**********	(MAID IN FRANCE)
*	A-3295-423-A	SW BOARD, COMPLETE (ILUMINATION, GREEN)	
		**********	(MAID IN JAPAN)
*	A-3295-454-A	SW BOARD, COMPLETE (ILUMINATION, GREEN)	
		**********	(MAID IN FRANCE)
	3-389-477-01	REFLECTOR (LCD)	
	3-381-041-03	SHEET (REFLECTOR)	
		< CAPACITOR >	
C701	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C702	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	100V
C703	1-162-637-11	CERAMIC CHIP 0.47uF	16V
		< JACK >	
* CNJ906	1-691-558-11	SOCKET, CONNECTOR 12P	
* CNJ906	1-691-557-21	PIN, CONNECTOR 12P	
		< CONNECTOR >	
CNP904	1-573-121-11	PIN, CONNECTOR 12P	
* CNP906	1-691-557-21	PIN, CONNECTOR 12P	
		< DIODE >	
D701	8-719-976-XX	DIODE DTZ5.1B-TT11	
D702	8-719-977-03	DIODE DTZ5.6B	
D703	8-719-977-03	DIODE DTZ5.6B	
D704	8-719-977-03	DIODE DTZ5.6B	
D705	8-719-977-03	DIODE DTZ5.6B	
D706	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D706	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D707	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D707	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D708	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D708	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D709	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D709	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D710	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D710	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D711	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D711	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D712	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D712	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D713	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	

Ref. No.	Part No.	Description	Remarks
D713	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D714	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D714	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D715	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D715	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D716	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D716	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D717	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D717	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D718	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D718	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D719	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D719	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D720	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D720	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D721	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D721	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D722	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D722	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D723	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D723	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
D724	8-719-033-13	LED CL-170Y-CD-T (ILUMINATION, AMBER)	
D724	8-719-033-14	LED CL-170PG-CD-T(ILUMINATION, GREEN)	
		< IC >	
IC701	8-759-246-16	IC TC9240F	
		< LCD >	
LC1	1-809-595-41	DISPLAY PANEL, LIQUID CRYSTAL	
		< PILOT LAMP >	
PL701	1-518-646-11	LAMP, PILOT	
PL702	1-518-646-11	LAMP, PILOT	
		< RESISTOR >	
R701	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R702	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R703	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R704	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R705	1-216-043-00	METAL CHIP 560 5% 1/10W	
R706	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R707	1-216-045-00	METAL CHIP 680 5% 1/10W	
R708	9-910-999-2B	METAL GLAZE 620 5% 1/8W	
R709	9-910-999-2B	METAL GLAZE 620 5% 1/8W	
R710	9-910-999-2B	METAL GLAZE 620 5% 1/8W	
R711	9-910-999-2B	METAL GLAZE 620 5% 1/8W	
R712	9-910-999-2B	METAL GLAZE 620 5% 1/8W	
R713	1-216-195-00	METAL GLAZE 750 5% 1/8W	
R714	1-216-195-00	METAL GLAZE 750 5% 1/8W	
R715	1-216-666-11	METAL CHIP 4.3K 0.5% 1/10W	
R716	1-216-670-11	METAL CHIP 6.2K 0.5% 1/10W	
R717	1-216-673-11	METAL CHIP 8.2K 0.5% 1/10W	
R718	1-216-677-11	METAL CHIP 12K 0.5% 1/10W	
R719	1-216-683-11	METAL CHIP 22K 0.5% 1/10W	
R720	1-216-690-11	METAL CHIP 43K 0.5% 1/10W	

Ref. No.	Part No.	Description	Remarks
R721	1-216-099-00	METAL CHIP 120K 5% 1/10W	
R722	1-216-666-11	METAL CHIP 4.3K 0.5% 1/10W	
R723	1-216-670-11	METAL CHIP 6.2K 0.5% 1/10W	
R724	1-216-673-11	METAL CHIP 8.2K 0.5% 1/10W	
R725	1-216-677-11	METAL CHIP 12K 0.5% 1/10W	
R726	1-216-666-11	METAL CHIP 4.3K 0.5% 1/10W	
R727	1-216-670-11	METAL CHIP 6.2K 0.5% 1/10W	
R728	1-216-673-11	METAL CHIP 8.2K 0.5% 1/10W	
R729	1-216-677-11	METAL CHIP 12K 0.5% 1/10W	
R730	1-216-683-11	METAL CHIP 22K 0.5% 1/10W	
R731	1-216-690-11	METAL CHIP 43K 0.5% 1/10W	
		< SWITCH >	
S701	1-572-768-11	SWITCH, KEY BOARD (BMT/M.SCAN)	
S702	1-572-704-21	SWITCH, KEY BOARD (6)	
S703	1-572-704-21	SWITCH, KEY BOARD (5)	
S704	1-572-704-21	SWITCH, KEY BOARD (4/ATA)	
S705	1-572-704-21	SWITCH, KEY BOARD (3)	
S706	1-572-704-21	SWITCH, KEY BOARD (2)	
S707	1-572-704-21	SWITCH, KEY BOARD (1)	
S708	1-572-704-21	SWITCH, KEY BOARD (DISP)	
S709	1-572-704-21	SWITCH, KEY BOARD (LEVEL+)	
S710	1-572-704-21	SWITCH, KEY BOARD (LEVEL-)	
S711	1-572-704-21	SWITCH, KEY BOARD (MANU+)	
S712	1-572-704-21	SWITCH, KEY BOARD (MANU-)	
S713	1-572-704-21	SWITCH, KEY BOARD (MUTE)	
S714	1-572-768-11	SWITCH, KEY BOARD (OFF)	
S715	1-572-704-21	SWITCH, KEY BOARD (SENS/LOUD)	
S716	1-572-704-21	SWITCH, KEY BOARD (SEEK+)	
S717	1-572-704-21	SWITCH, KEY BOARD (SEEK-)	
S718	1-572-704-21	SWITCH, KEY BOARD (SEL)	
S719	1-572-768-11	SWITCH, KEY BOARD (5500:FM/AM, 5501:FM/MW/LW)	
S720	1-572-768-11	SWITCH, KEY BOARD (AF/TA)	

****

MISCELLANEOUS

****

54	1-696-838-11	CORD (WITH CONNECTOR) (MADE IN FRANCE)
54	1-696-838-21	CORD (WITH CONNECTOR) (MADE IN JAPAN)
F901	1-532-414-11	FUSE, GLASS TUBE 1A
F902	1-532-678-11	FUSE, GRASS TUBE 12A
HP901	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)
M901	X-3364-496-1	MOTOR ASSY
S901	1-692-502-11	SWITCH, SLIDE
S903	1-692-065-11	SWITCH, LEAF
S904	1-554-790-21	SWITCH, POWER

****

ACCESSORIES & PACKING MATERIALS

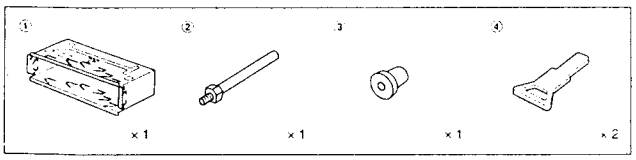
****

*	3-358-697-01	BUSHING (MADE IN FRANCE)
*	3-378-800-01	CUSHION (UPPER)
*	3-378-801-01	CUSHION (LOWER)
*	3-379-363-01	KEY

Ref. No.	Part No.	Description	Remarks
	3-386-828-01	SCREW, FITTING (MADE IN FRANCE)	
*	3-386-834-01	INDIVIDUAL CARTON (MADE IN JAPAN)	
*	3-386-834-11	INDIVIDUAL CARTON (MADE IN FRANCE)	
*	3-386-836-11	INDIVIDUAL CARTON (5501)	
	3-387-788-01	LABEL, MODEL NUMBER (AE G) (5500:AEP) (ILUMINATION, GREEN) (MADE IN JAPAN)	
	3-388-352-01	CARD (5500:G) (MADE IN FRANCE)	
	3-701-616-01	BAG, POLYETHYLENE (MADE IN FRANCE)	
	3-701-626-00	BAG, POLYETHYLENE (MADE IN FRANCE)	
	3-756-512-11	MANUAL, INSTRUCTION (ENGLISH/FRANCH/GERMAN/ITALIAN/DUCH) (5500:AEP) (MADE IN JAPAN)	
	3-756-512-51	MANUAL, INSTRUCTION (FINLAND/DANMARK) (5500:AEP) (MADE IN JAPAN)	
	3-756-512-61	MANUAL, INSTRUCTION (ENGLISH/FRANCH/GERMAN/ITALIAN/DUCH) (MADE IN FRANCE)	
	3-756-512-71	MANUAL, INSTRUCTION (SPANISH/PORTUGUESE/SWEDISH) (5500:AEP) (MADE IN FRANCE)	
	3-756-513-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH/FRANCH/GERMAN/ITALIAN/DUCH) (5500:AEP) (MADE IN JAPAN)	
	3-756-513-51	MANUAL, INSTRUCTION, INSTALL (FINLAND/DENMARK) (5500:AEP) (MADE IN JAPAN)	
	3-756-513-61	MANUAL, INSTRUCTION, INSTALL ENGLISH/FRANCH/GERMAN/ITALIAN/DUCH) (MADE IN FRANCE)	
	3-756-513-71	MANUAL, INSTRUCTION, INSTALL (SPANISH/PORTUGUESE/SWEDISH) (5500:AEP) (MADE IN FRANCE)	
	A-3254-612-A	PRINTS ASSY (5500:AEP) (MADE IN JAPAN)	
	X-3364-977-1	CASE ASSY	
*	X-3365-198-1	FRAME ASSY, FITTING (MADE IN FRANCE)	
*	X-3366-235-1	FRAME ASSY, FITTING (MADE IN JAPAN)	
	X-3366-405-1	SCREW ASSY (EXP), FITTING (5500:AEP) (MADE IN JAPAN)	

****

MOUNTING HARDWARE



MOUNTING HARDWARE
****

* 1	X-3365-198-1	FRAME ASSY, FITTING (MADE IN FRANCE)	
* 1	X-3366-235-1	FRAME ASSY, FITTING (MADE IN JAPAN)	
2	3-386-828-01	SCREW, FITTING (MADE IN FRANCE)	
* 3	3-358-697-01	BUSHING (MADE IN FRANCE)	
* 4	3-379-363-01	KEY	

****

Ref. No.	Part No.	Description	Remarks

****

HARDWARE LIST

****

#1	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT
#2	7-621-775-40	SCREW +PTT 2.6X8 (S)
#3	7-621-255-25	SCREW +PTT 2X4 (S)
#4	7-621-770-67	SCREW (+PTT 2.6X8), GROUND POINT
#5	7-682-548-04	SCREW +PTT 3X8 (S)
#6	7-621-255-20	SCREW +P 2X4
#7	7-624-102-04	STOP RING 1.5, TYPE -E
#8	7-624-104-04	STOP RING 2.0, TYPE -E
#9	7-624-118-01	RING, RETAINING E-2.5
#10	7-685-135-19	SCREW +P 2.6X10 TYPE2 NON-SLIT
#11	7-621-775-08	SCREW +B 2.6X3
#12	7-621-255-15	SCREW +P 2X3
#13	7-621-770-XX	SCREW +PTT 2.6X8 (S)
#14	7-627-553-88	SCREW, PRECISION +P 2X7
#16	7-621-255-19	SCREW +P 2X6
#17	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT
#18	7-621-772-10	SCREW +B 2X4

9-957-815-11

Sony Corporation
Mobile Electronics Group

English
93D16Y0945-1
Printed in Germany
©1993.4
Published by Audio Corporate Planning Group

XR-5500RDS/5501RDS

SONY

SERVICE MANUAL

AEP Model
XR-5500RDS
UK Model
XR-5501RDS

SUPPLEMENT-1

File this supplement with the Service Manual.

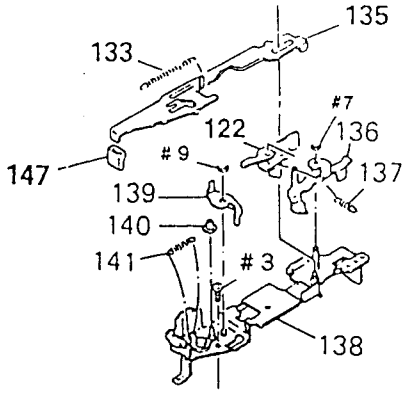
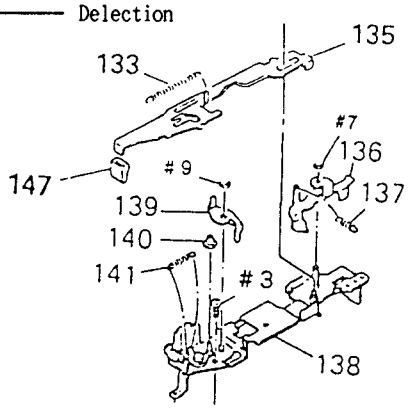
TABLE OF CONTENTS

Section	Title	Page
1. ADJUSTMENTS		
1-1.	Mechanical Adjustment	3
1-2.	Electrical Adjustment	4
2. DIAGRAMS		
2-1.	Block Diagram	8
2-2.	Printed Wiring Board	12
2-3.	Schematic Diagram	17
2-4.	IC Description	21
3. ELECTRICAL PARTS LIST		23

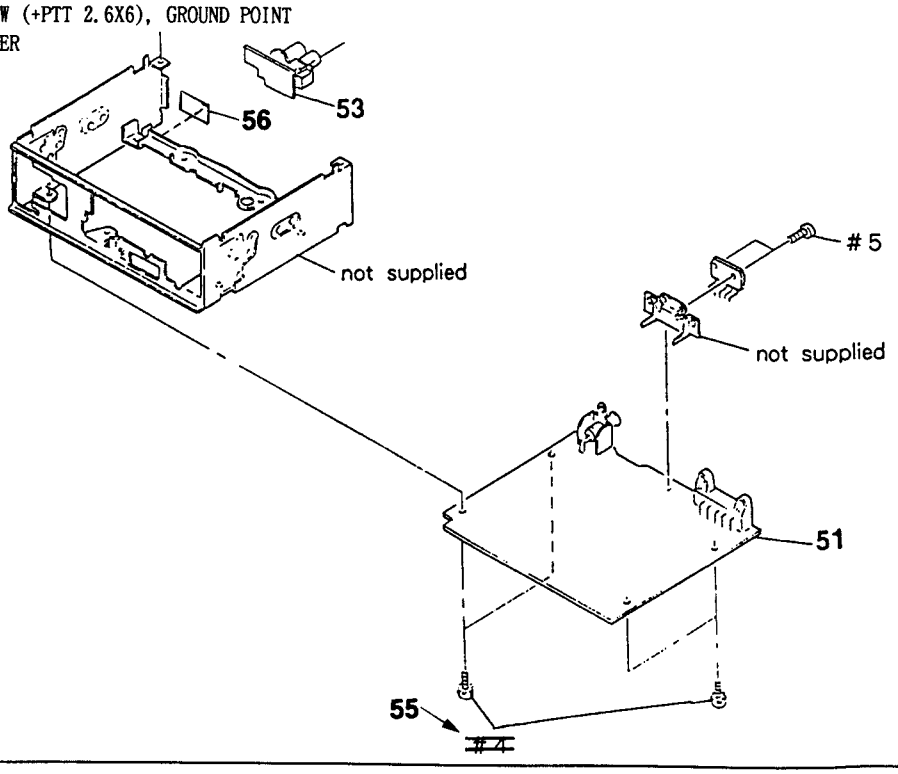
This is the new Electrical Parts List.
For the old Electrical Parts List, refer to the service manual (9-957-815-11) which was published.

Correct your service manual as shown below.

Indicates corrected portion.

Page	INCORRECT	CORRECT
31	2 X-3365-507-2 LOCK ASSY 5 1-646-333-11 RELAY BOARD 22 3-384-645-01 BUTTON (R4) (5500) (MADE IN JAPAN)	2 X-3364-564-3 LOCK ASSY 5 1-646-333-12 RELAY BOARD 22 3-384-645-11 (R4) (5500) (MADE IN JAPAN)
32	54 1-696-838-11 CORD (WITH CONNECTOR) (MADE IN FRANCE) 54 1-696-838-21 CORD (WITH CONNECTOR) (MADE IN JAPAN) F901 1-532-414-11 FUSE, GRASS TUBE 1A F902 1-532-678-11 FUSE, GRASS TUBE 12A	54 1-696-838-41 CORD (WITH CONNECTOR) (MADE IN FRANCE) 54 1-696-838-31 CORD (WITH CONNECTOR) (MADE IN JAPAN) F901 1-532-433-11 FUSE, GRASS TUBE 1A F902 1-532-717-11 FUSE, GRASS TUBE 10A
33	122 3-392-903-01 ARM RELEASE 	← Delection 
41	S708 1-572-704-21 SWITCH, KEY BOARD (DISP)	S708 1-572-704-21 SWITCH, KEY BOARD (DSPL)
42	#16 7-621-255-19 SCREW +P 2X6	← Delection

Supplement your service manual as shown below.

Page	SUPPLEMENT
31	16 3-375-371-11 SPRING (EJECT) (MADE IN JAPAN)
32	55 3-376-464-11 SCREW (+PTT 2.6X6), GROUND POINT 56 3-564-759-01 SPACER 

SECTION 1
ADJUSTMENTS

1-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   playback head　　Pinch roller
   Rubber belts　　Idlers
   Capstan
2. Demagnetize the playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Measure the torque at a supply voltage of 14.4 V DC.

	Torque meter	Meter reading
FWD REV	CQ-102C / RC	25 to 55 g • cm (0.35 to 0.76 oz • inch)
FF, REW	CQ-201B	50 to 150 g • cm (0.69 to 2.08 oz • inch)
FWD, REV Back tension	CQ-102C / RC	1.5 to 4 g • cm or less (0.02 to 0.06 oz•inch or less)

1-2. ELECTRICAL ADJUSTMENTS

NOTE :

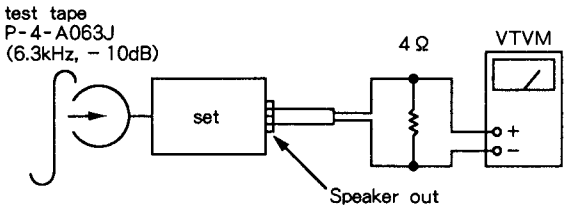
- Execute the adjustments and measurements on all channels unless otherwise specified.
- Setting electronic potentiometers.
  VOL (VOLUME)　: mid level
  BAL (BALANCED)　: center
  TONE　: center
  BASS　: center
  TREBLE　: center
  FADER　: center
  LOUNDNESS　: OFF

DECK SECTION

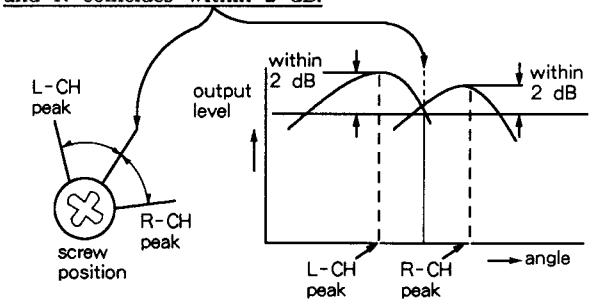
PB HEAD Vertical Adjustment

Procedure :

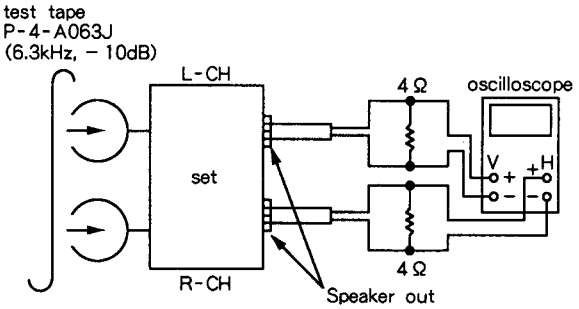
1. Put the set into the FWD PB mode.

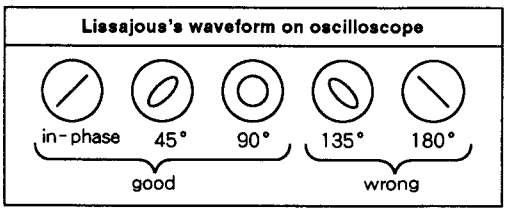


2. Turn the screw and check the output peak value. Adjust the screw so that peak value in channels L and R coincides within 2 dB.



3. Check the phase in the PB mode.



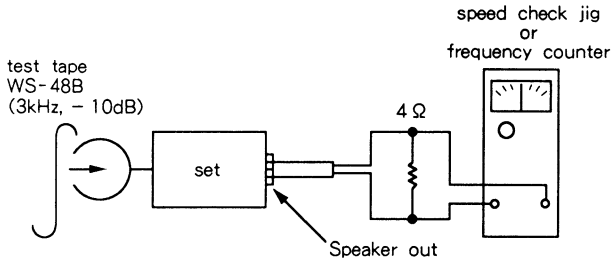


4. Repeat the above adjustment for the REV PB mode.
5. Check that output level difference between FWD PB mode and REV PB mode is within 2 dB.

Tape Speed Adjustment

Procedure :

1. Put the set into the FWD PB mode.

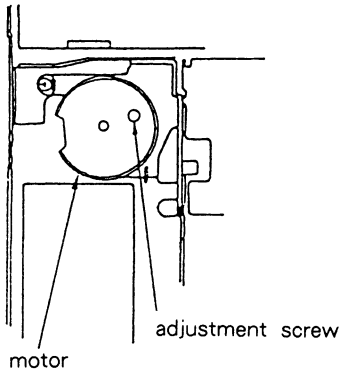


Specification :

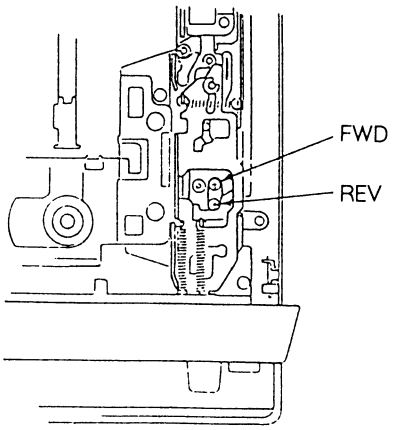
Speed checking	Frequency counter
- 2 to + 3 %	$3{,}000 \pm \frac{90}{60}$ Hz

Adjust so that the frequency difference between the FWD and REV modes is within 1.5 %.

Adjustment Location : (Tape Speed ADJ)

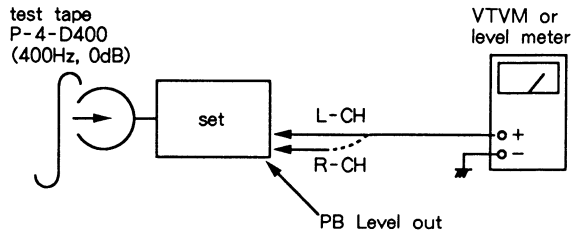


Adjustment Location : (PB Head Veatical ADJ)



Playback Level Adjustment

Setting :

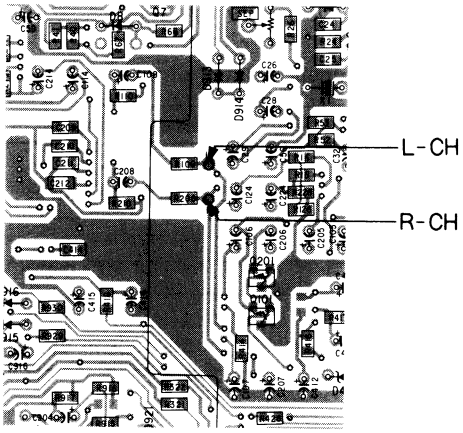


Procedure :

1. Put the set into the FWD PB mode.
2. Adjust RV101 (L-CH) so that VTVM reading is −6dB.
3. Adjust RV201 (R-CH) so that VTVM reading is −6dB.
4. Rewind the tape. Playback the tape. ConFirm that the L-ch and R-ch output level is −6dB ± 1dB.(−6dB ± 1dB ; approx 0.35V to 0.44V)

Adjustment Location : Main board

[MAIN BOARD] (Conductor Side)



· See Page 7 for adjustment location.

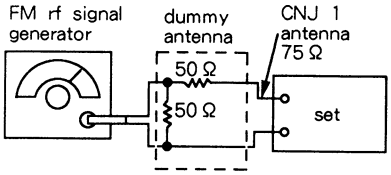
FM SECTION

FM f center Adjustment

Setting :

BAND switch : FM MONO

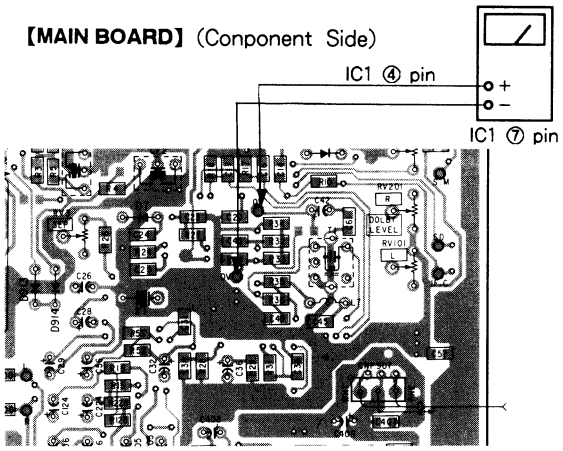
Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Output level : 60dB μ (1mV)
Modulation : 1kHz, 75kHz deviation (100%)

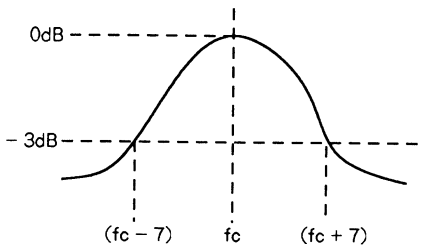
high input impedance center zero meter

【MAIN BOARD】 (Conponent Side)



Procedure :

1. Slowly adjust the core of T1 to obtain a 0 ± 20mV reading on high impedance center zero meter.
2. Output an f center 60dB signal output from FM SG so that SP out terminal is 0dB.
3. Change the FM SG frequency and check the deviation of the frequency when the SP out terminal drops 3dB.



4. Readjust T1 when the deviation of the ferquency does not satisfy the standard.

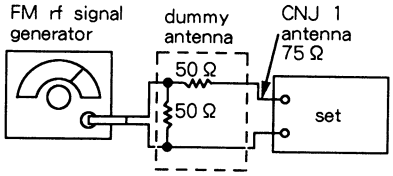
Adjustment Location : Main board (See page 7)

FM S - meter Adjustment

Setting :

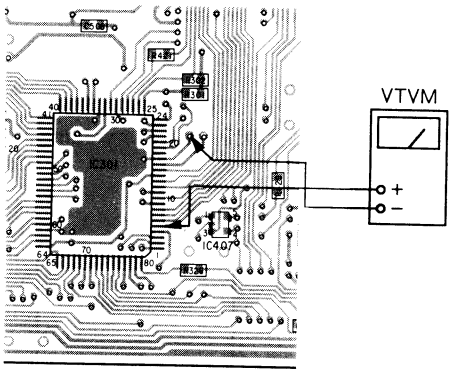
BAND switch : FM MONO

Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Output level : 35dB μ (56.2mV)
Modulation : 1kHz, 75kHz deviation (100%)

【MAIN BOARD】 (Component Side)



1. Adjust RV1 so that the DC voltage at the S-meter chack point (IC301 pin-5) is 2.35V ± 0.05V.

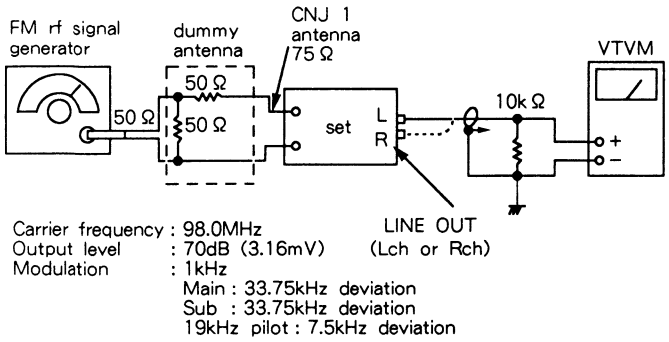
Adjustment Location: Main board (See page 7)

FM Stereo Separation Adjustment

Setting :

Band : FM Stereo

Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Output level : 70dB (3.16mV)
Modulation : 1kHz
Main : 33.75kHz deviation
Sub : 33.75kHz deviation
19kHz pilot : 7.5kHz deviation

Procedure :

1. Set the output level of a signal generator to 70dB and the adjust then output to −10dB with the volume control.
2. Adjust RV3 for a best stereo separation.

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV2 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV2 for minimum reading.

L-CH stereo separation : Ⓐ-Ⓑ

R-CH stereo separation : Ⓒ-Ⓓ

The separation of both channels should be equal.

3. Adjust so that separation is maximized. (separation > 27dB)

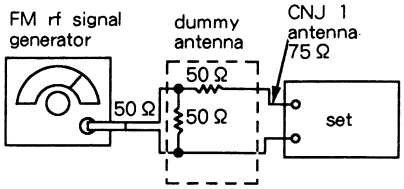
Adjustment Location : Main board (See page 7)

FM Auto-scan Stop Level Adjustment

Setting :

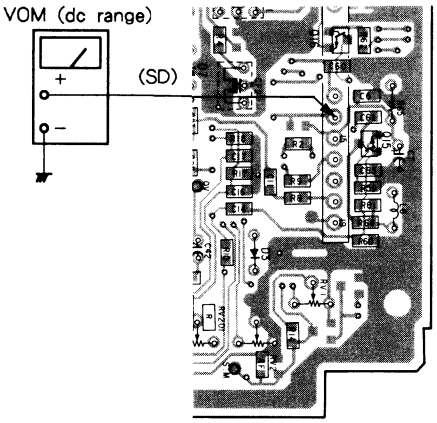
Band switch : FM MONO

Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Output level : 22dB (12.6 μ V)
Modulation : 1kHz, 75kHz deviation (100%)

[MAIN BOARD] (Conductor Side)



Procedure :

1. Adjust RV2 at the point where the VOM reading changes from low to high. (around 0.6V)
2. Confirm that the set stops auto-scanning with FM RF SSG output level set at 22 ± 3dB.

Note :

Terminate the adjustment by changing from Low to High of DC level.

Adjustment Location : Main board (See page 7)

AM SECTION

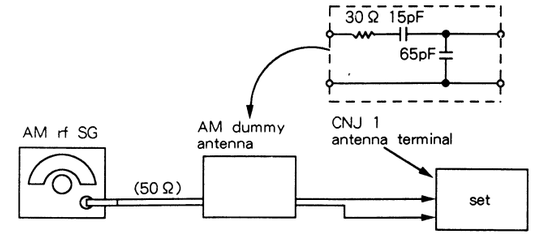
AM Auto-scan Stop Level Adjustment

Note :

Be sure to perform this adjustment after "FM Auto-scan Stop Adjustment".

Setting :

BAND : MW
Frequency : 999kHz



Carrier frequency : 999kHz (31.6 μ V)
Output level : 30dB μ
Modulation : no modulation

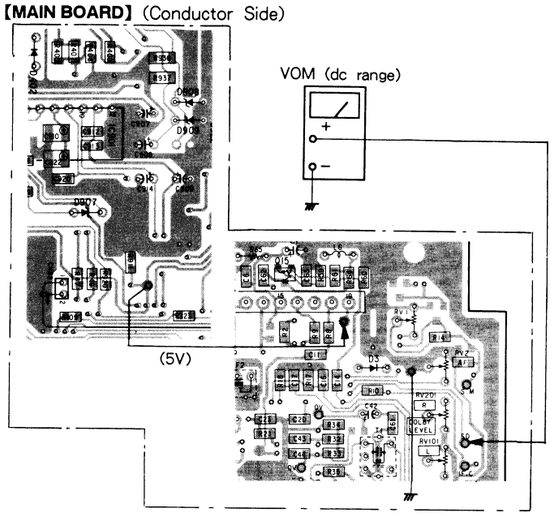
Procedure :

1. Adjust TU1 (VR) at the point where the VOM reading changes from low to high. (around 0.6V)
2. Confirm that the set stops auto-scanning with AM RF SG output level set at 30 ± 4dB.

Note :

AM mute signal OFF. (Add 5V to ⑲pin of TU1)
Terminate the adjustment by changing from Low to High of DC level.

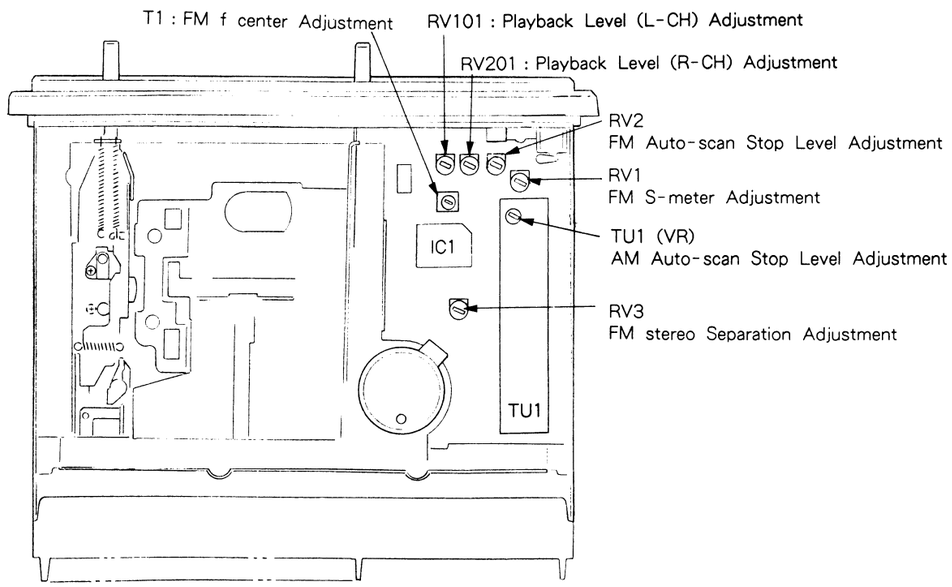
[MAIN BOARD] (Conductor Side)



Adjustment Location : Main board (TU1)

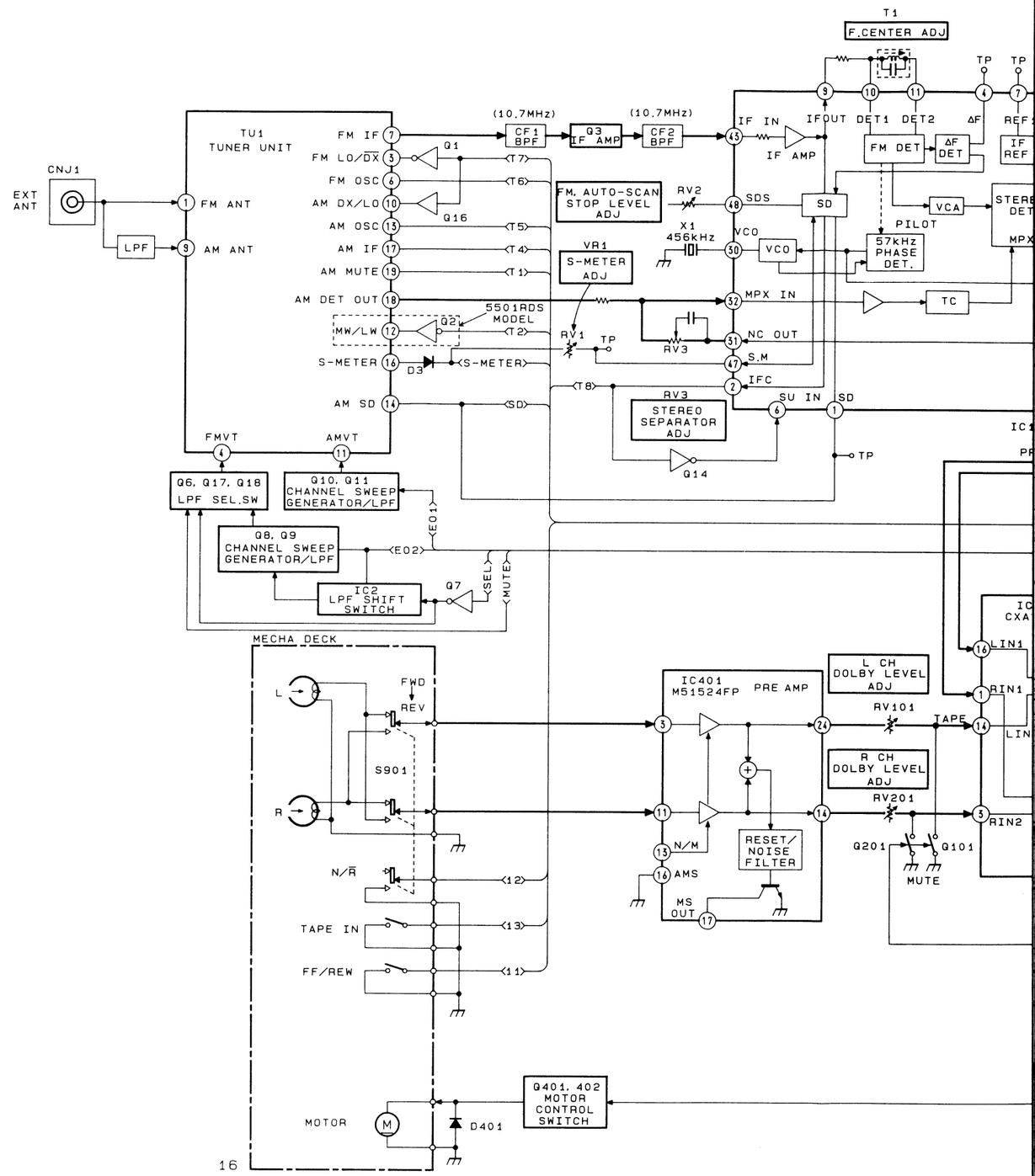
ADJUSTMENT LOCATION

[MAIN BOARD] (Component Side)



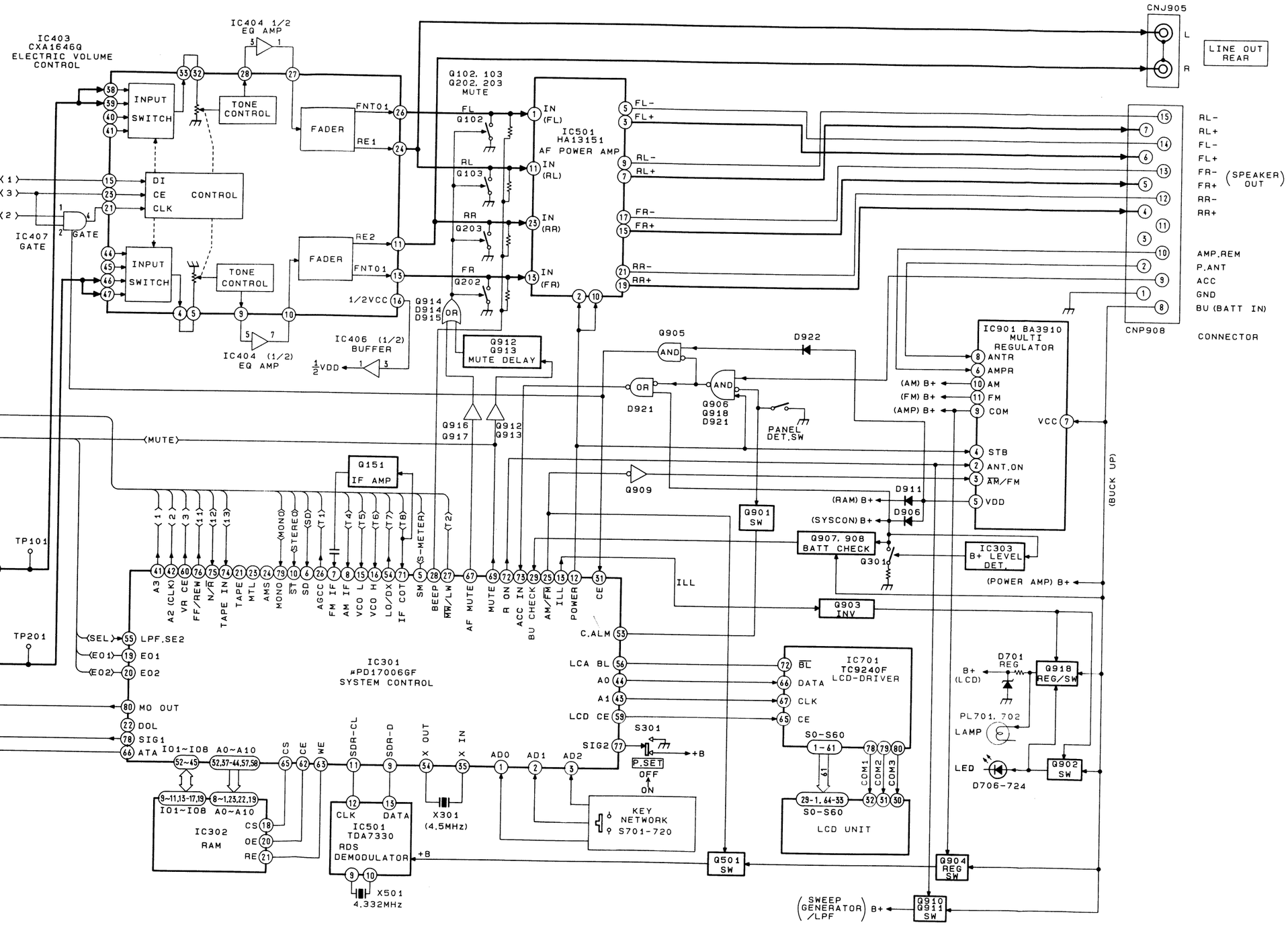
SECTION 2
DIAGRAMS

2-1. BLOCK DIAGRAM



ON 2
RAMS

T1
F.CENTER ADJ
TP TP
(10.7MHz) CF1 BPF Q3 IF AMP (10.7MHz) CF2 BPF
IF IN IFOUT DET1 DET2 ΔF REF1
IF AMP FM DET ΔF DET IF REF
Q1 Q16 5501RDS MODEL Q2 D3
FM, AUTO-SCAN STOP LEVEL ADJ RV2 SDS SD VCA STEREO DET MPX L OUT R OUT MODE
X1 456kHz VCO VCO PILOT 57kHz PHASE DET.
VR1 S-METER ADJ RV1 TP RV3 MPX IN TC NC OUT S.M IFC
RV3 STEREO SEPARATOR ADJ SU IN SD
Q14 TP
IC1 TA2027F SIGNAL PROCESSOR
DELAY Q5
(STEREO) (MONO)
IC407 GATE
IC403 CXA1646Q ELECTRIC VOLUME CONTROL
INPUT SWITCH TONE CONTROL FADER
DI CE CLK CONTROL
IC404 1/2 EQ AMP
IC404 (1/2) EQ AMP
FNT01 RE1 RE2 FNT01 1/2VCC
IC406 (1/2) BUFFER 1/2VDD
Q914 D914 D915 OR
Q912 Q913 MUTE DELAY
Q102, 103 Q202, 203 MUTE
FL Q102 RL Q103 RR Q203 FR Q202
IC501 HA13151 AF POWER AMP
IN (FL) IN (RL) IN (RR) IN (FR)
FL- FL+ RL- RL+ FR- FR+ RR- RR+
Q905 AND OR D921 AND Q906 Q918 D921 D922
(AM) B+ (FM) B+ (AMP) B+
PANEL DET.SW
Q916 Q917 Q912 Q913
(MUTE)
Q151 IF AMP
Q909
D911 (RAM) B+ D906 (SYSCON) B+
Q901 SW
Q907, 908 BATT CHECK Q301
Q903 INV
ILL
C.ALM
IC701 TC9240F LCD-DRIVER
BL DATA CLK CE
LCA BL A0 A1 LCD CE
S0-S60 1-61 61 29-1, 64-33 S0-S60 LCD UNIT
COM1 COM2 COM3
S301 P.SET OFF ON SIG2 +B
KEY NETWORK S701-720
IC301 μPD17006GF SYSTEM CONTROL
(SEL) LPF,SE2 (E01) E01 (E02) E02 MO OUT DOL SIG1 ATA
IO1~IO8 A0~A10 CS CE WE SDA-CL SDA-D X OUT X IN AD0 AD1 AD2
IC302 RAM
CS OE RE
IC501 TDA7330 RDS DEMODULATOR CLK DATA +B
X301 (4.5MHz)
X501 4.332MHz
Q910 Q911 SW
(SWEEP GENERATOR /LPF) B+
Q401, 402 MOTOR CONTROL SWITCH D401
IC402 CXA1102M TUNER/TAPE SELECT DOLBY NR AMP
ATT3 ATT2 ATT1 SC DET
LIN1 RIN1 LIN2 RIN2 L OUT R OUT TP101 TP201
IC401 M51524FP PRE AMP
L CH DOLBY LEVEL ADJ RV101 TAPE
R CH DOLBY LEVEL ADJ RV201
RESET/ NOISE FILTER N/M AMS MS OUT
Q201 Q101 MUTE
REC/PB DOLBY ON/OFF (AMP) B+
(SEL) (MUTE) (S-METER) (MONO) (STEREO) (SD) (T1) (T2) (T4) (T5) (T6) (T7) (T8) (1) (2) (3) (11) (12) (13)
A3 A2 (CLK) VR CE FF/REW N/R TAPE IN TAPE MTL AMS MONO ST SD AGCC FM IF AM IF VCO L VCO H LO/DX IF COT SM BEEP FM/LW AF MUTE MUTE R ON ACC IN BU CHECK AM/FM ILL POWER CE


IC403
CXA1646Q
ELECTRIC VOLUME
CONTROL
IC404 1/2
EQ AMP
INPUT
SWITCH
TONE
CONTROL
FADER
FNT01
RE1
RE2
FNT01
1/2VCC
DI
CE
CLK
CONTROL
IC407
GATE
GATE
IC404 (1/2)
EQ AMP
IC406 (1/2)
BUFFER
1/2VDD
Q102, 103
Q202, 203
MUTE
FL
Q102
RL
Q103
RR
Q203
FR
Q202
IN
(FL)
IN
(RL)
IN
(RR)
IN
(FR)
IC501
HA13151
AF POWER AMP
FL-
FL+
RL-
RL+
FR-
FR+
RR-
RR+
CNJ905
L
R
LINE OUT
REAR
CNP908
(SPEAKER)
OUT
AMP.REM
P.ANT
ACC
GND
BU (BATT IN)
CONNECTOR
Q914
D914
D915
OR
Q912
Q913
MUTE DELAY
Q905
AND
D922
OR
D921
AND
Q906
Q918
D921
PANEL
DET.SW
IC901 BA3910
MULTI
REGULATOR
ANTR
AMPR
(AM) B+
AM
(FM) B+
FM
(AMP) B+
COM
VCC
STB
ANT.ON
AM/FM
VDD
(BUCK UP)
(RAM) B+
D911
(SYSCON) B+
D906
Q909
Q901
SW
Q907, 908
BATT CHECK
Q301
IC303
B+ LEVEL
DET.
(POWER AMP) B+
Q903
INV
ILL
Q916
Q917
Q912
Q913
Q151
IF AMP
(MUTE)
TP101
TP201
(SEL)
(E01)
(E02)
LPF.SE2
E01
E02
MO OUT
DOL
SIG1
ATA
IC301
μPD17006GF
SYSTEM CONTROL
C.ALM
LCA BL
A0
A1
LCD CE
SIG2
S301
P.SET
OFF
ON
+B
IC701
TC9240F
LCD-DRIVER
BL
DATA
CLK
CE
S0-S60
1-61
COM1
COM2
COM3
29-1, 64-55
S0-S60
LCD UNIT
D701
REG
B+
(LCD)
Q918
REG/SW
PL701, 702
LAMP
LED
D706-724
Q902
SW
IC302
RAM
IO1~IO8
A0~A10
CS
OE
RE
IC501
TDA7330
RDS
DEMODULATOR
CLK
DATA
X501
4.332MHz
X301
(4.5MHz)
KEY
NETWORK
S701-720
Q501
SW
Q904
REG
SW
(SWEEP
GENERATOR
/LPF)
B+
Q910
Q911
SW

● Semiconductor Location

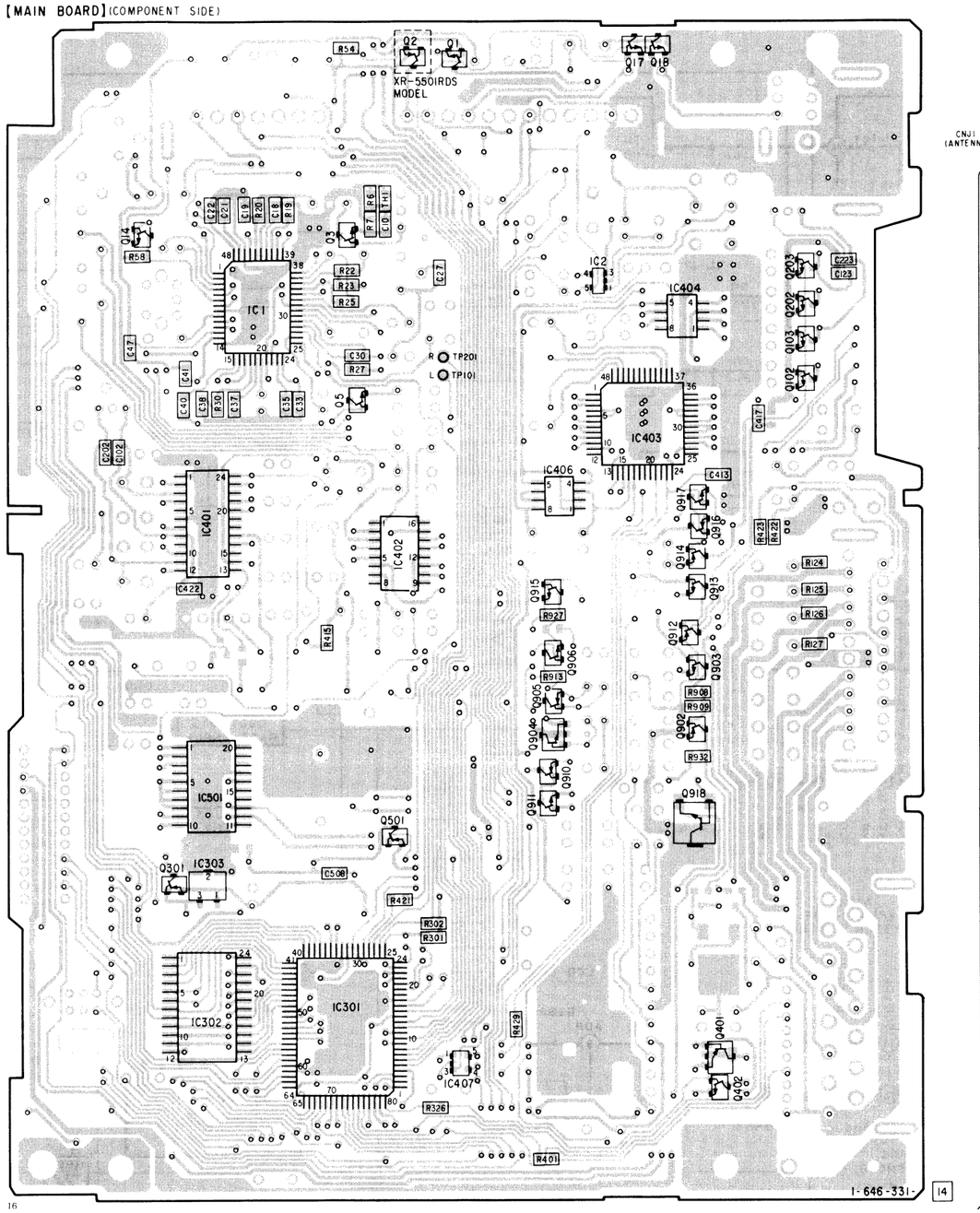
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1	A-10	D907	H-13	Q8	B-12
D2	A-10	D908	G-11	Q9	B-11
D3	B-16	D909	G-12	Q10	B-13
D7	C-14	D910	G-12	Q11	B-12
D8	C-12	D911	I-16	Q14	C-2
D401	I-11	D913	C-13	Q15	A-15
D404	F-14	D914	C-13	Q16	B-14
D405	J-10	D915	E-12	Q17	A-6
D406	D-10	D916	E-12	Q18	A-6
D407	D-10	D917	G-12	Q101	E-14
D701	E-25	D918	F-16	Q102	D-7
D702	A-31	D919	G-16	Q103	C-7
D703	A-30	D920	F-12	Q201	E-14
D704	A-30	D921	F-13	Q202	C-7
D705	A-30	D922	G-12	Q203	C-7
D706	B-28			Q301	H-2
D707	B-27	IC1	C-3	Q401	I-7
D708	B-26	IC2	C-6	Q402	J-7
D709	B-30	IC301	I-4	Q501	G-4
D710	B-29	IC302	I-3	Q901	J-12
D711	B-28	IC303	H-3	Q902	G-6
D712	C-24	IC401	E-3	Q903	F-7
D713	C-24	IC402	E-4	Q904	G-5
D714	C-23	IC403	D-6	Q905	F-5
D715	C-27	IC404	C-6	Q906	F-6
D716	C-26	IC405	E-10	Q907	I-12
D717	C-25	IC406	E-5	Q908	I-12
D718	C-30	IC407	J-5	Q909	J-12
D719	C-29	IC501	G-3	Q910	G-5
D720	C-28	IC701	E-24	Q911	G-5
D721	B-31	IC901	I-12	Q912	F-6
D722	C-31			Q913	E-7
D723	A-30	Q1	A-5	Q914	E-6
D724	B-31	Q2	A-4	Q915	E-5
D901	G-11	Q3	C-4	Q916	E-7
D904	F-11	Q5	D-4	Q917	E-6
D905	F-11	Q6	B-12	Q918	G-7
D906	J-12	Q7	C-13		

Note on Mounting Diagram :

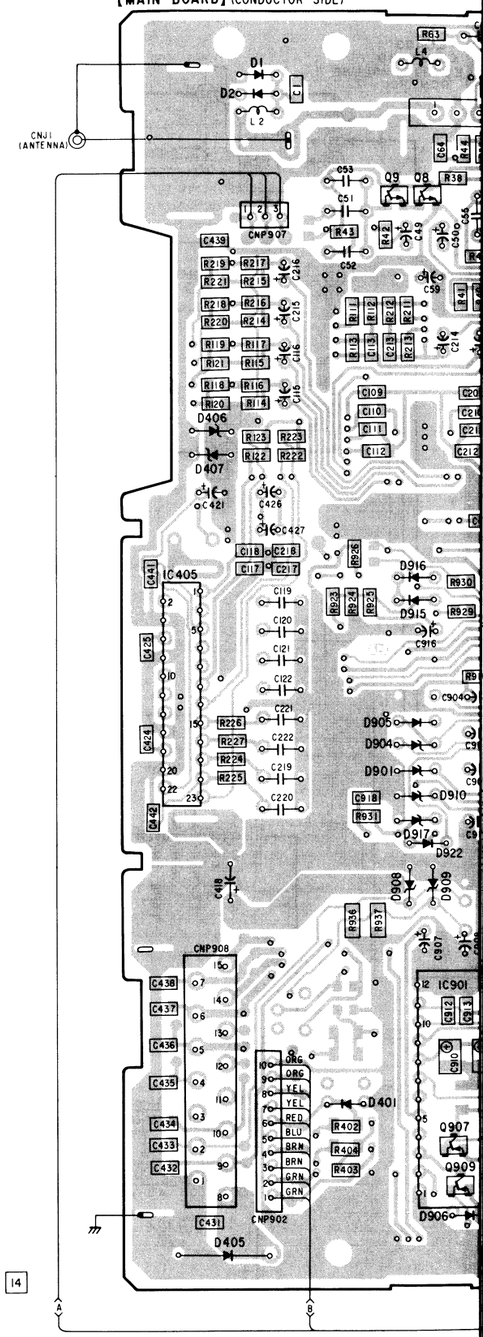
- ● ○—— : Parts extracted from the component side.
- ● ●—— : Parts extracted from the conductor side.
- ● ○ : Through hole.
- ● ▒▒▒ : Pattern on the side which is seen.
  (Other pattern is not shown.)

2-2. PRINTED WIRING BOARD ● This is the new Printed Wiring Board. For the old Printed Wiring Board, refer to the service manual (9-957-815-11) which was publis

【MAIN BOARD】(COMPONENT SIDE)

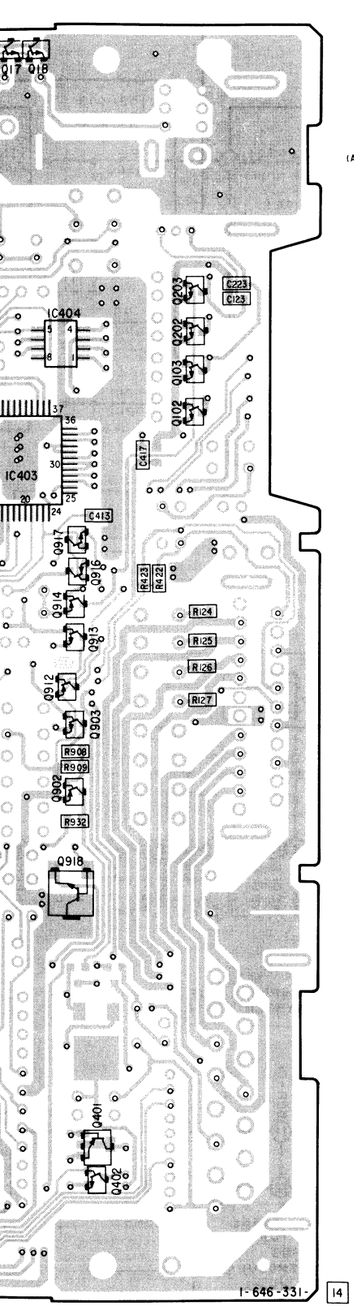


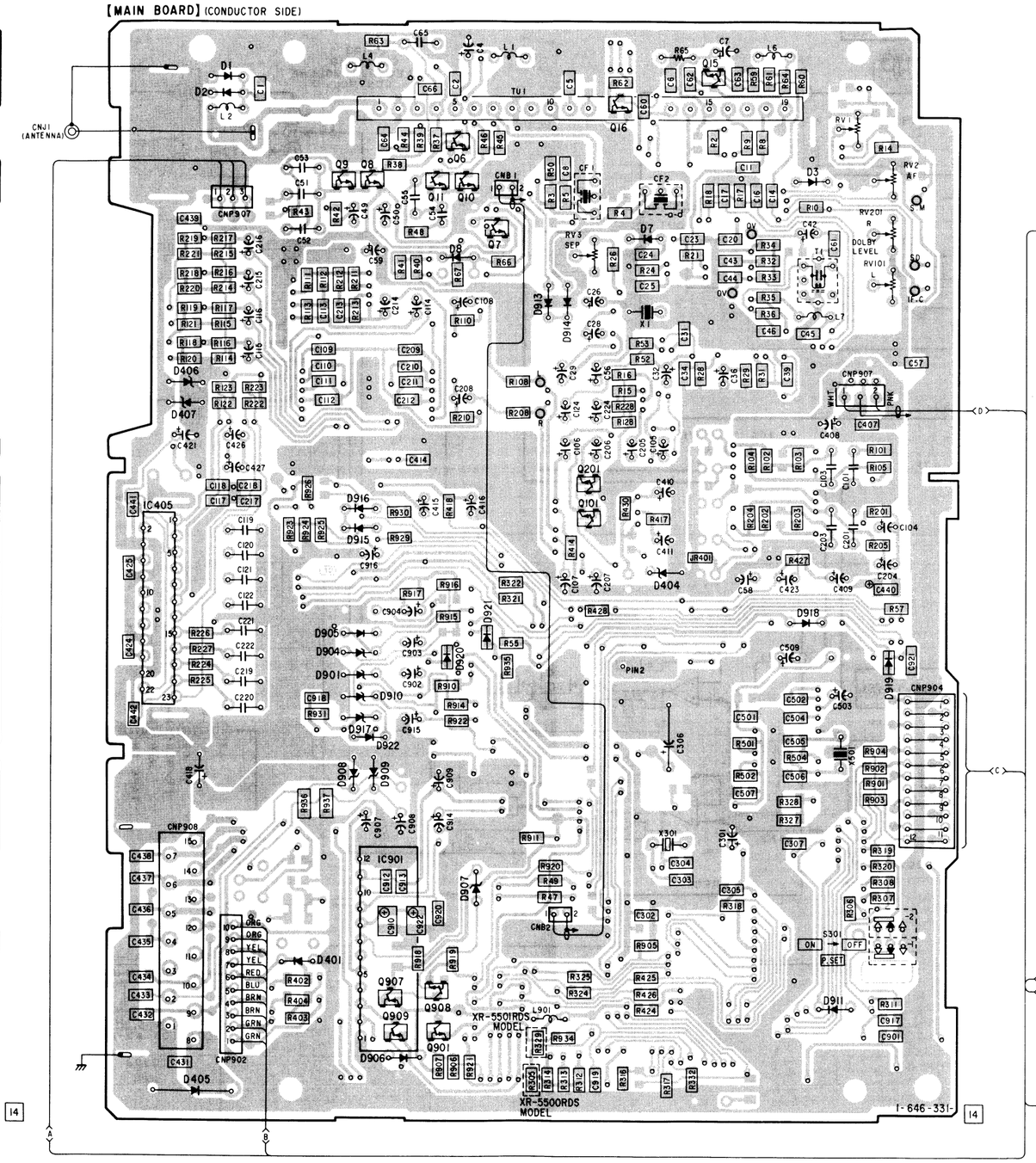
【MAIN BOARD】(CONDUCTOR SIDE)

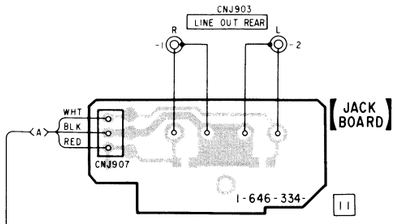


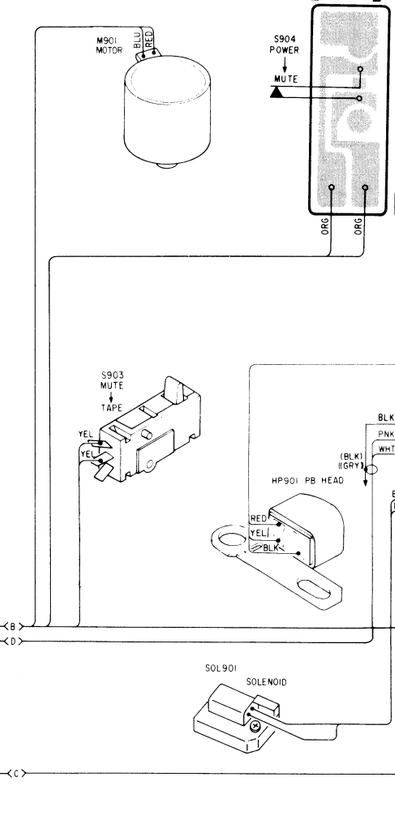
old Printed Wiring Board, refer to the service manual (9-957-815-11) which was published.

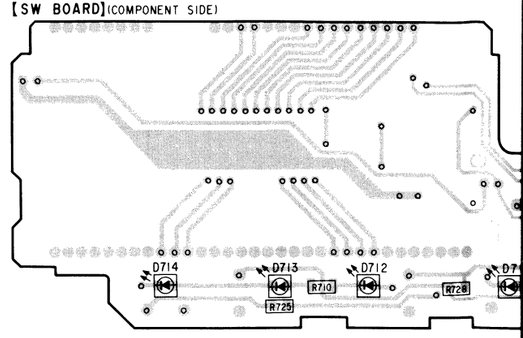
6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25

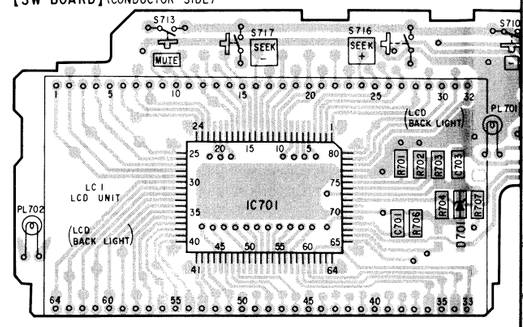


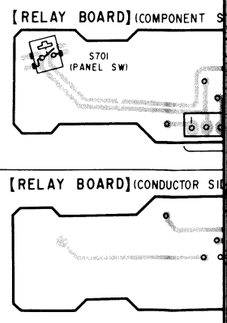




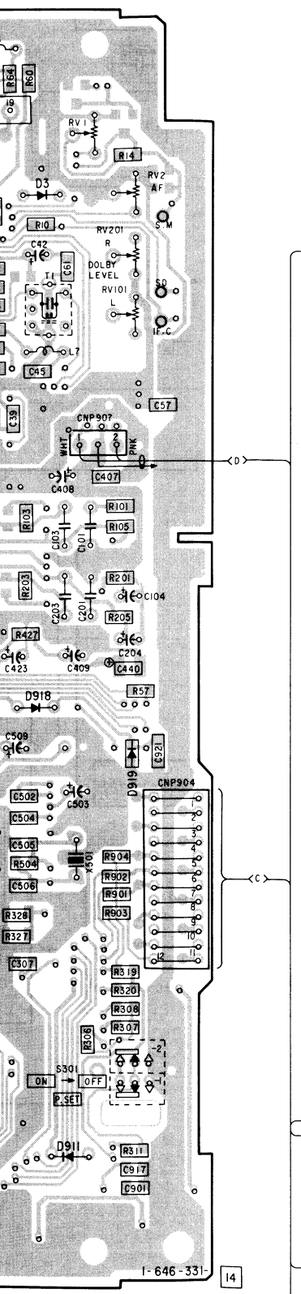


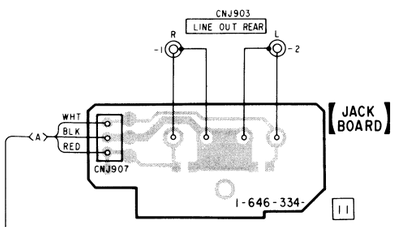


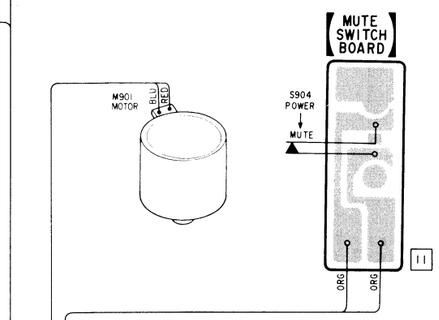


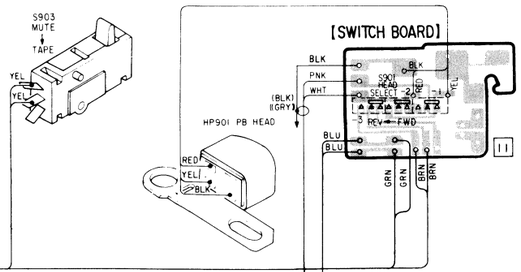


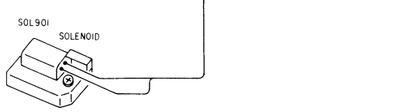
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

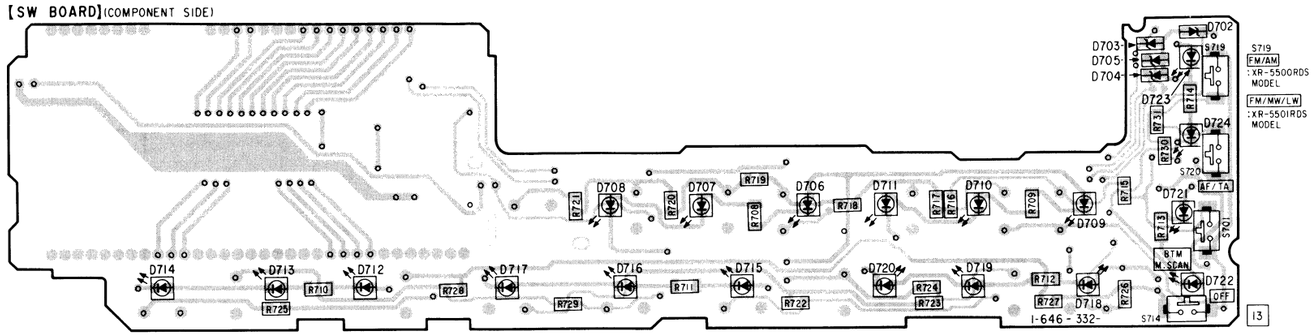


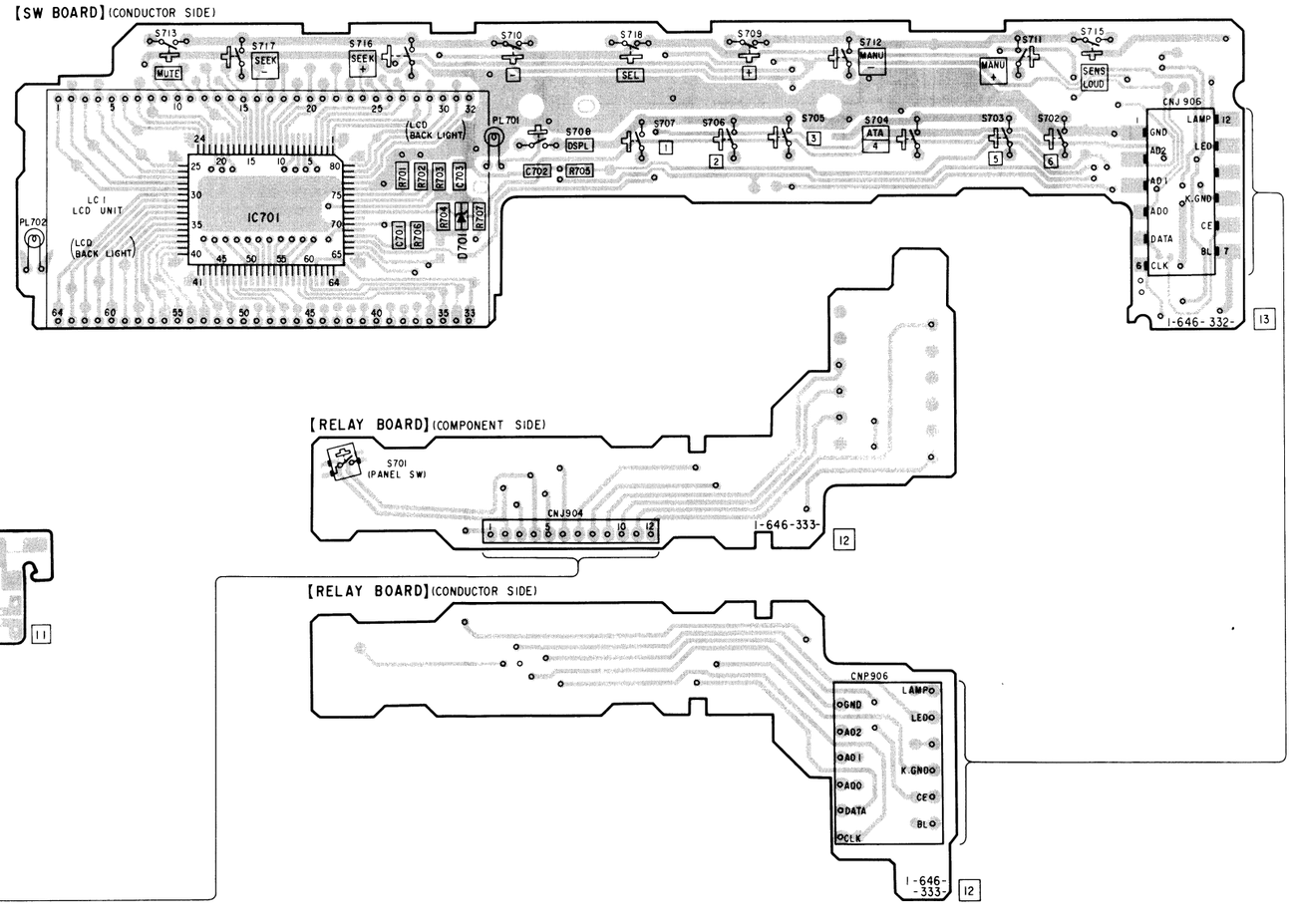








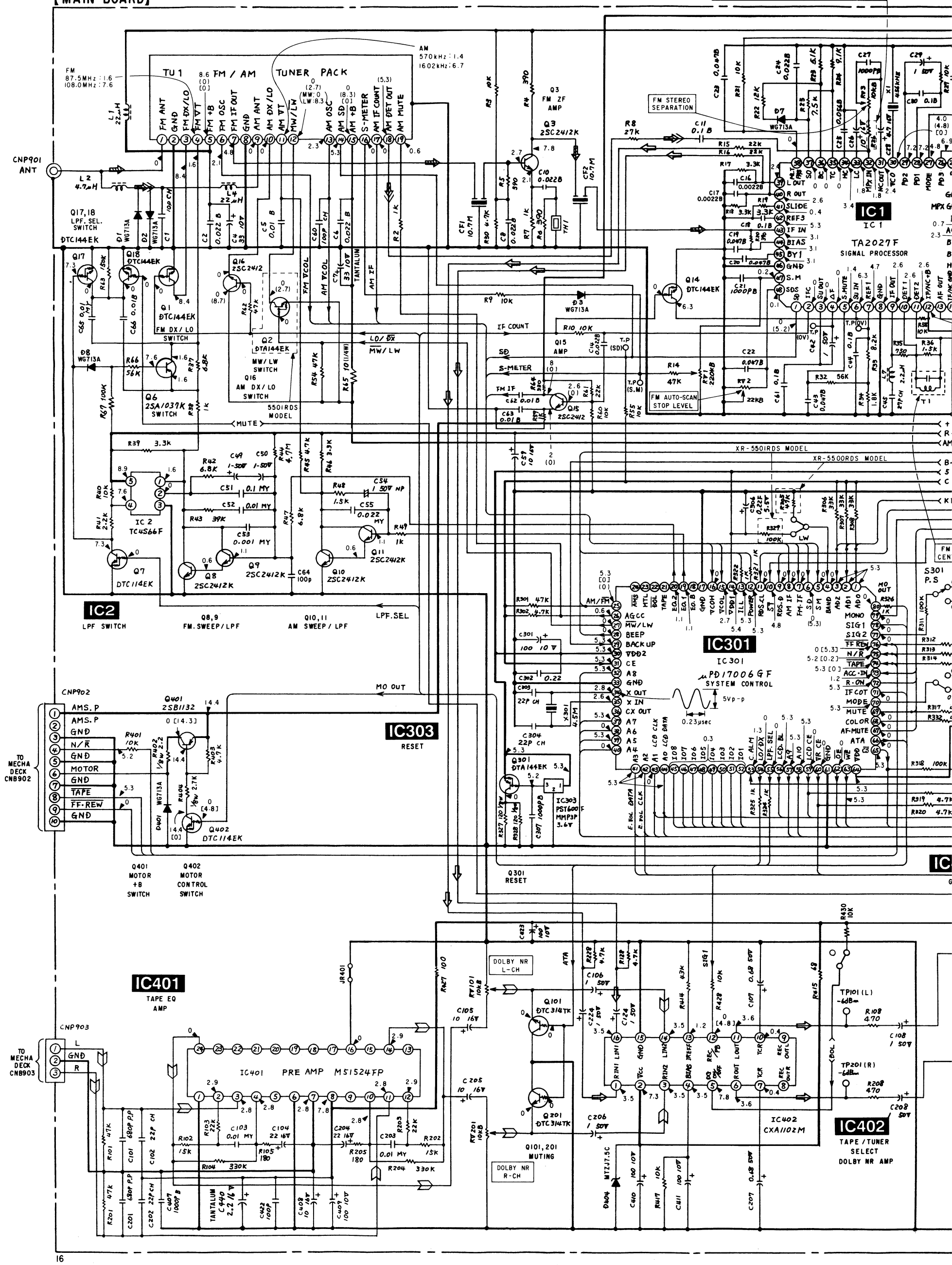




2-3. SCHEMATIC DIAGRAM • This is the new Schematic Diagram. For the old Schematic Diagram, refer to the service manual (9-957-815-11) which was published.

MODEL	5500RDS		5501RDS
	AEP	Germany	AEP
R26	10k	3.3k	10k

【MAIN BOARD】



CONCERNING TRANSISTOR and DIODE
SNA used NEC , ALS used ROHM maimly.
Please refer to the PADICS if you want Know the real Part mame.

Note) C306 is for HAND-MOUNT, C308 is for AUTO-MOUNT.
It's used by combination of C306-R304 or C308-R331.

-957-815-11) which was published.

MODEL	5500RDS		5501RDS
	AEP	Germany	AEP
R26	10k	3.3k	10k

TO RELAY BOARD CNJ904

BL AD2 AD1 AD0 GND DATA CLK CE GND LED SW LAMP

CNP904

IC1 TA2027F SIGNAL PROCESSOR

IC301 μPD17006GF SYSTEM CONTROL

IC302 RAM IC302 LH5116NA-10

IC501 TDA7330 RDS DEMODULATOR

IC901 BA3910 MULTI REGULATOR

IC407 TC4381F GATE

IC404 BA4558F(1/2) EQ AMP

IC403 CXA1646Q ELECTRIC VOLUME

IC406 BA4558F(3/2) BUFFER

IC405 HA13150 AF POWER AMP

IC402 CXA1102M TAPE/TUNER SELECT DOLBY NR AMP

Q5 MONO/STEREO MOUE SWITCH

Q901 PANEL DETECT

Q902,903 LED B+ SWITCH

Q904 RDS B+ SWITCH

Q905,906 ACC SWITCH

Q907,908 BACK UP DETCTER

Q909 DTA144EK INV.

Q910,911 SWEEP/LPF B+ SWITCH

Q912,913,914, Q916,917 AF MUTE.

Q915 POWER OFF SWITCH

Q501 RDS B+ SWITCH

Q102,103, Q202,203 MUTING

Q918 DISP/LAMP B+ SWITCH

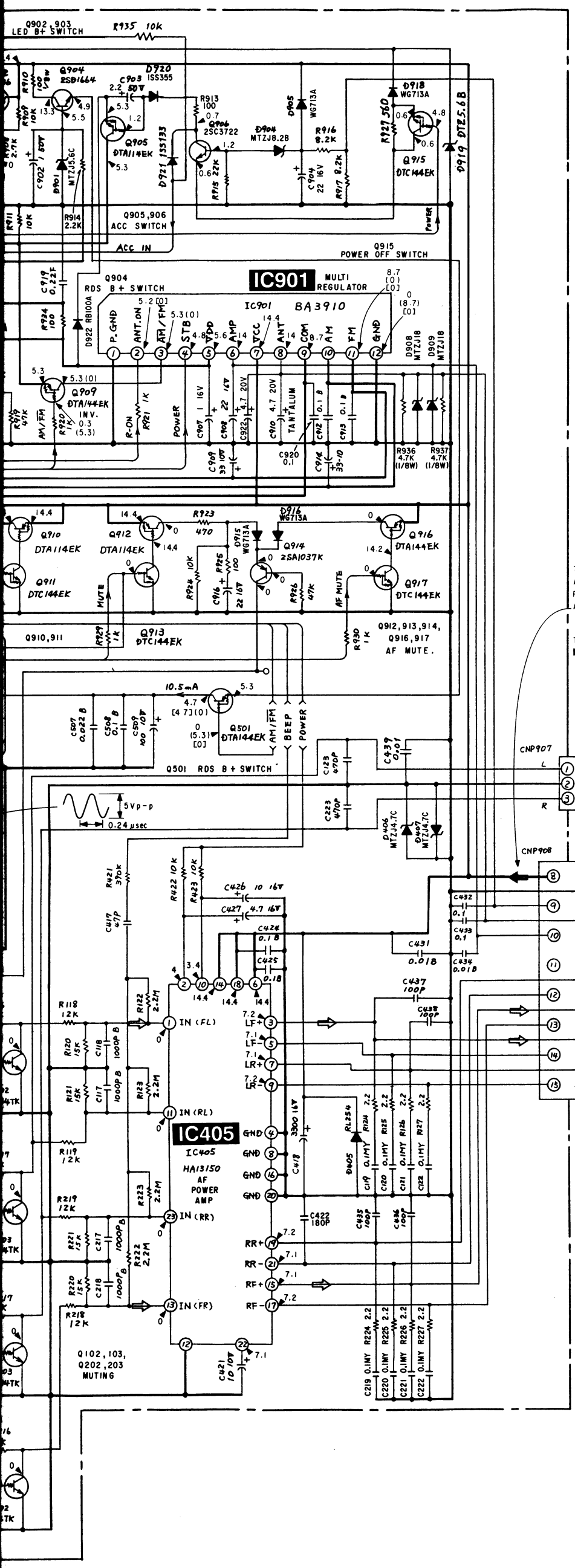
XR-5501RDS MODEL

XR-5500RDS MODEL

FM 1 CENTER

AUTO-MOUNT.

4 or C308-R331.



Note on Schematic Diagram :

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- ▭ : adjustment for repair.
- ▬ : B + Line.
- Power voltage is dc 14.4 V and fed with regulated dc power supply from external power voltage.
  no mark : FM
  ( ) : AM
  [ ] : TAPE
- Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AF ⇨ : TAPE PB ⇨ : FM
  ⇨ : AM

2-4. IC DESCRIPTION

IC301 μ PD17006GF SYSTEM CONTROL

No.	Pin Name	I/O	Description
1	AD0	I	Key input (A/D converter)
2	AD1	I	Key input (A/D converter)
3	AD2	I	Key input (A/D converter)
4	BAND	I	"L" = 2 bands (FM/AM), "H" = 3 bands (FM/MW/LW)
5	S・M	I	S-meter input (FM/AM)
6	S・D	I	S・D input (FM/AM)
7	FM・IF	I	FM IF input
8	AM・IF	I	AM IF input
9	RDS・DATA	I	TDA733BD serial data input
10	$\overline{ST}$	I	Stereo signal input, L : displays "ST".
11	RDS ・ CLK	I	TDA733BD clock signal input
12	POWER	O	Power supply control output
13	ILL	O	Power select on, H : CE → "H" Power select off, H : Power → "H"
14	VDD1	–	Power supply + VDD1 (+ 5 V)
15	VCOL	I	AM local oscillator input
16	VCOH	I	FM local oscillator input
17	GND	–	GND1
18	EO BST	O	Not used
19	EO1	O	AM PLL output
20	EO2	O	FM PLL output
21	TAPE	O	Tape check output H : tape input → "L"
22	$\overline{DOL}$	O	L : Dolby on H : Dolby off
23	MTL	O	L : Normal H : Metal
24	AMS	O	L : AMS on H : AMS off
25	AM/$\overline{FM}$	O	L : FM, H : AM
26	AGCC	O	Automatic gain control cut signal output
27	$\overline{MW}$/LW	O	L : MW, H : LW
28	BEEP	O	Beep signal output
29	BACKUP	I	Back up power supply input
30	VDD2	–	Power supply + VDD2 (+5V)
31	CE	I	Chip enable signal input
32	A8	O	SRAM address output
33	GND	O	GND2
34	XOUT	O	System clock oscillator (4.5 MHz)
35	XIN	I	System clock oscillator (4.5 MHz)
36	CXOUT	O	Clock output for the external microprocessor
37	A7	I/O	SRAM address output
38	A6	I/O	SRAM address output
39	A5	I/O	SRAM address output
40	A4	I/O	SRAM address output

No.	Pin Name	I/O	Description
41	A3	I/O	SRAM address output
42	A2	I/O	SRAM address output
43	A1	I/O	SRAM address output, LCD clock output
44	A0	I/O	SRAM address output, LCD data output
45	I/O 8	I/O	SRAM data I/O
46	I/O 7	I/O	SRAM data I/O
47	I/O 6	I/O	SRAM data I/O
48	I/O 5	I/O	SRAM data I/O
49	I/O 4	I/O	SRAM data I/O
50	I/O 3	I/O	SRAM data I/O
51	I/O 2	I/O	SRAM data I/O
52	I/O 1	I/O	SRAM data I/O
53	C. ALM	I	C. ALM input
54	LO/DX	O	H : Automatic tuning at local
55	LPF・SEL	O	H : AF on and automatic tuning
56	LCD BL	O	LCD BL output
57	A9	O	SRAM address output
58	A10	O	SRAM address output
59	LCD CE	O	LCE-CD output
60	VR CE	O	VR-CE output
61	GND	–	GND
62	$\overline{OE}$	O	SRAM OE output
63	$\overline{WE}$	O	SRAM WE output
64	VDD	–	Power supply + VDD3 (+ 5V)
65	$\overline{CS}$	O	SRAM CS output
66	ATA	O	H : ATA on
67	AFMUTE	O	AF mute output
68	COLOR	O	When the color selection is high, high and low is toggled the SEL and M1 keys.
69	MUTE	O	Mute output
70	MODE	I	L : ATA on
71	IF ・ COT	O	IF counter control signal output
72	R-ON	O	H : Radio
73	ACC IN	I	ACC input
74	$\overline{TAPE}$	I	PACK input, L : Active
75	N/$\overline{R}$	I	Tape direction
76	$\overline{FFREW}$	I	L : FF/REW mode, H : Normal
77	SIG2	I	H : Power select on L : Power select off
78	SIG1	O	H : Tape mode, L : Radio
79	MONO	O	Monaural signal output
80	MO OUT	O	Capstan motor control signal output

JACK

NOTE:

When indicatin number, please name.

• G : German
• 5500 : XR-55
• 5501 : XR-55

Ref. No. Part

* 1-646-

CNP905 1-573-

****

* A-3295

* A-3295

* A-3295

* A-3295

7-621-

C1 1-163-
C2 1-163-
C4 1-124-
C5 1-164-
C6 1-163-
C7 1-131-
C8 1-163-
C10 1-163-
C11 1-163-
C14 1-163-
C16 1-163-
C17 1-163-
C18 1-164-
C19 1-163-
C20 1-163-

JACK **MAIN**

SECTION 3
ELECTRICAL PARTS LIST

This is the new Electrical Parts List. For the old Electrical Parts List, refer to the service manual (9-957-815-11) which was published.

NOTE:

When indicating parts by reference number, please include the board name.

- G : German
- 5500 : XR-5500RDS
- 5501 : XR-5501RDS

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS :
  uF : μF
- RESISTORS
  All resistors are in ohms.
  METAL : metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- COILS
  uH : μH
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA... : μA... , uPA... , μPA... , uPB... , μPB... , uPC... , μPC... , uPD..., μPD...

Ref. No.	Part No.	Description			Remarks
*	1-646-334-11	JACK BOARD			
		**********			
		< CONNECTOR >			
	CNP905 1-573-744-11	JACK, PIN 2P			
**********					
*	A-3295-277-A	MAIN BOARD, COMPLETE			
		**********			
		(5500:AEP) (MADE IN JAPAN)			
*	A-3295-286-A	MAIN BOARD, COMPLETE			
		**********			
		(5500:G) (MADE IN FRANCE)			
*	A-3295-295-A	MAIN BOARD, COMPLETE			
		**********			
		(5500:G) (MADE IN FRANCE)			
*	A-3295-299-A	MAIN BOARD, COMPLETE (5501)			
		**********			
	7-621-770-67	SCREW +PTT 2.6X6 (S)			
		< CAPACITOR >			
C1	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C2	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C4	1-124-229-00	ELECT	33uF	20%	10V
C5	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C6	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C7	1-131-381-00	TANTALUM	47uF	10%	10V
C8	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C10	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C11	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C14	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C16	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C17	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C18	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C19	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C20	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C21	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C22	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C23	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C24	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C25	1-164-343-11	CERAMIC CHIP	0.056uF	10%	25V
C26	1-126-157-11	ELECT	10uF	20%	16V
C27	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C28	1-126-288-11	ELECT	4.7uF	20%	16V
C29	1-126-301-11	ELECT	1uF	20%	50V
C30	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C31	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C32	1-126-301-11	ELECT	1uF	20%	50V
C33	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C34	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C35	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C36	1-126-157-11	ELECT	10uF	20%	16V
C37	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C38	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C39	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C40	1-164-299-11	CERAMIC CHIP	0.22uF	10%	25V
C41	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C42	1-126-301-11	ELECT	1uF	20%	50V
C43	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C44	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C45	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C46	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C47	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C49	1-126-301-11	ELECT	1uF	20%	50V
C50	1-126-301-11	ELECT	1uF	20%	50V
C51	1-136-165-00	FILM	0.1uF	5%	50V
C52	1-136-153-00	FILM	0.01uF	5%	50V
C53	1-110-351-11	MYLAR	0.001uF	5%	50V
C54	1-124-499-11	ELECT, NONPOLAR	1uF	20%	50V
C55	1-163-157-00	FILM	0.022uF	5%	50V
C56	1-124-234-00	ELECT	22uF	20%	16V
C57	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C58	1-124-229-00	ELECT	33uF	20%	10V
C59	1-126-157-11	ELECT	10uF	20%	16V
C60	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C61	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

MAIN

Ref. No.	Part No.	Description			Remarks
C62	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C63	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C65	1-136-153-00	FILM	0.01uF	5%	50V
C66	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C101	1-130-469-00	MYLAR	680PF	5%	50V
C102	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C103	1-136-153-00	FILM	0.01uF	5%	50V
C104	1-124-234-00	ELECT	22uF	20%	16V
C105	1-126-157-11	ELECT	10uF	20%	16V
C106	1-126-301-11	ELECT	1uF	20%	50V
C107	1-124-254-00	ELECT	0.68uF	20%	50V
C108	1-126-301-11	ELECT	1uF	20%	50V
C109	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C110	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C111	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C112	1-164-299-11	CERAMIC CHIP	0.22uF	10%	25V
C113	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C114	1-126-157-11	ELECT	10uF	20%	16V
C115	1-126-157-11	ELECT	10uF	20%	16V
C116	1-126-157-11	ELECT	10uF	20%	16V
C117	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C118	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C119	1-136-165-00	FILM	0.1uF	5%	50V
C120	1-136-165-00	FILM	0.1uF	5%	50V
C121	1-136-165-00	FILM	0.1uF	5%	50V
C122	1-136-165-00	FILM	0.1uF	5%	50V
C123	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C124	1-126-301-11	ELECT	1uF	20%	50V
C201	1-130-469-00	MYLAR	680PF	5%	50V
C202	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C203	1-136-153-00	FILM	0.01uF	5%	50V
C204	1-124-234-00	ELECT	22uF	20%	16V
C205	1-126-157-11	ELECT	10uF	20%	16V
C206	1-126-301-11	ELECT	1uF	20%	50V
C207	1-124-254-00	ELECT	0.68uF	20%	50V
C208	1-126-301-11	ELECT	1uF	20%	50V
C209	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C210	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C211	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C212	1-164-299-11	CERAMIC CHIP	0.22uF	10%	25V
C213	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C214	1-126-157-11	ELECT	10uF	20%	16V
C215	1-126-157-11	ELECT	10uF	20%	16V
C216	1-126-157-11	ELECT	10uF	20%	16V
C217	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C218	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C219	1-136-165-00	FILM	0.1uF	5%	50V
C220	1-136-165-00	FILM	0.1uF	5%	50V
C221	1-136-165-00	FILM	0.1uF	5%	50V
C222	1-136-165-00	FILM	0.1uF	5%	50V
C223	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C224	1-126-301-11	ELECT	1uF	20%	50V
C301	1-124-584-00	ELECT	100uF	20%	10V
C302	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C303	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C304	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C305	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C306	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C307	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C407	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C408	1-126-157-11	ELECT	10uF	20%	16V
C409	1-124-584-00	ELECT	100uF	20%	10V
C410	1-124-584-00	ELECT	100uF	20%	10V
C411	1-124-584-00	ELECT	100uF	20%	10V
C413	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C414	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C415	1-126-288-11	ELECT	4.7uF	20%	16V
C416	1-124-229-00	ELECT	33uF	20%	10V
C417	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C418	1-126-936-11	ELECT	3300uF	20%	16V
C421	1-126-157-11	ELECT	10uF	20%	16V
C422	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C423	1-124-584-00	ELECT	100uF	20%	10V
C424	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C425	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C426	1-126-157-11	ELECT	10uF	20%	16V
C427	1-126-288-11	ELECT	4.7uF	20%	16V
C431	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C432	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C433	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C434	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C435	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C436	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C437	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C438	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C439	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C440	1-135-214-21	TANTAL. CHIP	4.7uF	20%	20V
C441	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C442	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
C501	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C502	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C503	1-126-157-11	ELECT	10uF	20%	16V
C504	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C505	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C506	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C507	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C508	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C509	1-124-584-00	ELECT	100uF	20%	10V
C901	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C902	1-126-301-11	ELECT	1uF	20%	50V

Ref. No.	Part No.	Description			Remarks
C903	1-124-257-00	ELECT	2.2uF	20%	50V
C904	1-124-234-00	ELECT	22uF	20%	16V
C907	1-126-301-11	ELECT	1uF	20%	50V
C908	1-124-234-00	ELECT	22uF	20%	16V
C909	1-124-229-00	ELECT	33uF	20%	10V
C910	1-135-214-21	TANTAL. CHIP	4.7uF	20%	20V
C912	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C913	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C914	1-124-229-00	ELECT	33uF	20%	10V
C915	1-124-584-00	ELECT	100uF	20%	10V
C916	1-124-234-00	ELECT	22uF	20%	16V
C917	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C918	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C919	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C920	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C921	1-135-180-21	TANTALUM CHIP	3.3uF	20%	6.3V
C922	1-135-214-21	TANTAL. CHIP	4.7uF	20%	20V
		< FILTER >			
CF1	1-579-568-11	FILTER, CERAMIC			
CF2	1-579-568-11	FILTER, CERAMIC			
		< JACK >			
CNJ1	1-691-512-11	SOCKET, CONNECTOR (ANT)			
CNJ904	1-573-122-11	SOCKET, CONNECTOR 12P			
		< CONNECTOR >			
* CNP902	1-506-992-11	PIN, CONNECTOR (PC BOARD) 10P			
* CNP903	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			
* CNP907	1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P			
* CNP908	1-750-064-11	PLUG, CONNECTOR 15P			
		< DIODE >			
D1	8-719-911-19	DIODE	1SS119		
D2	8-719-911-19	DIODE	1SS119		
D3	8-719-911-19	DIODE	1SS119		
D7	8-719-911-19	DIODE	1SS119		
D8	8-719-911-19	DIODE	1SS119		
D401	8-719-911-19	DIODE	1SS119		
D404	8-719-110-03	DIODE	RD7.5ES-B2		
D405	8-719-038-09	DIODE	RL254-H21		
D406	8-719-921-40	DIODE	HTZJ-4.7C		
D407	8-719-921-40	DIODE	HTZJ-4.7C		
D901	8-719-109-89	DIODE	RD5.6ES-B2		
D904	8-719-110-08	DIODE	RD8.2ES-B2		
D905	8-719-911-19	DIODE	1SS119		
D906	8-719-981-50	DIODE	RB-100A		
D907	8-719-109-93	DIODE	RD6.2ES-B2		
D908	8-719-110-49	DIODE	RD18ES-B2		
D909	8-719-110-49	DIODE	RD18ES-B2		
D910	8-719-110-13	DIODE	RD9.1ES-B2		

Ref. No.	Part No.	Description		Remarks
D911	8-719-911-19	DIODE	1SS119	
D913	8-719-911-19	DIODE	1SS119	
D914	8-719-911-19	DIODE	1SS119	
D915	8-719-911-19	DIODE	1SS119	
D916	8-719-911-19	DIODE	1SS119	
D917	8-719-921-80	DIODE	MTZJ-11B	
D918	8-719-911-19	DIODE	1SS119	
D919	8-719-977-03	DIODE	DTZ5.6B	
D920	8-719-988-62	DIODE	1SS355	
D921	8-719-988-62	DIODE	1SS355	
D922	8-719-981-50	DIODE	RB-100A	
		< IC >		
IC1	8-759-090-30	IC	TA2027F	
IC2	8-759-234-77	IC	TC4S66F	
IC301	8-759-182-27	IC	uPD17006GF-557-3B9	
IC302	8-752-323-63	IC	CXK5816M-10L	
IC303	8-759-171-75	IC	PST600FMT-T1	
IC401	8-759-076-00	IC	M51524FP-E1	
IC402	8-752-032-14	IC	CXA1102M	
IC403	8-752-063-44	IC	CXA1646Q-T6	
IC404	8-759-909-71	IC	BA4558F	
IC405	8-759-160-00	IC	HA13151	
IC406	8-759-909-71	IC	BA4558F	
IC407	8-759-209-97	IC	TC4S81F	
IC501	8-759-163-63	IC	TDA7330BD-013TR	
IC901	8-759-182-74	IC	BA3910B-V1	
		< JUMPER RESISTOR >		
JR401	1-216-295-00	METAL CHIP	0 5% 1/10W	
		< COIL >		
L1	1-410-973-11	INDUCTOR	22uH	
L2	1-410-969-11	INDUCTOR	4.7uH	
L4	1-410-973-11	INDUCTOR	22uH	
L6	1-410-971-11	INDUCTOR	10uH	
L7	1-410-967-11	INDUCTOR	2.2uH	
L901	1-410-967-11	INDUCTOR	2.2uH	
		< TRANSISTOR >		
Q1	8-729-901-01	TRANSISTOR	DTC144EK	
Q2	8-729-901-06	TRANSISTOR	DTA144EK (5501)	
Q3	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
Q5	8-729-900-53	TRANSISTOR	DTC114EK	
Q6	8-729-216-22	TRANSISTOR	2SA1162	
Q7	8-729-900-53	TRANSISTOR	DTC114EK	
Q8	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
Q9	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
Q10	8-729-120-28	TRANSISTOR	2SC1623-L5L6	
Q11	8-729-120-28	TRANSISTOR	2SC1623-L5L6	

MAIN

Ref. No.	Part No.	Description	Remarks
Q14	8-729-901-01	TRANSISTOR DTC144EK	
Q15	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q16	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q17	8-729-901-01	TRANSISTOR DTC144EK	
Q18	8-729-901-01	TRANSISTOR DTC144EK	
Q101	8-729-920-21	TRANSISTOR DTC314TKH04	
Q102	8-729-920-21	TRANSISTOR DTC314TKH04	
Q103	8-729-920-21	TRANSISTOR DTC314TKH04	
Q201	8-729-920-21	TRANSISTOR DTC314TKH04	
Q202	8-729-920-21	TRANSISTOR DTC314TKH04	
Q203	8-729-920-21	TRANSISTOR DTC314TKH04	
Q301	8-729-901-06	TRANSISTOR DTA144EK	
Q401	8-729-106-60	TRANSISTOR 2SB1115A	
Q402	8-729-900-53	TRANSISTOR DTC114EK	
Q501	8-729-901-06	TRANSISTOR DTA144EK	
Q901	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q902	8-729-901-98	TRANSISTOR 2SA1036K-R	
Q903	8-729-901-01	TRANSISTOR DTC144EK	
Q904	8-729-106-68	TRANSISTOR 2SD1615A-GP	
Q905	8-729-901-04	TRANSISTOR DTA114EK	
Q906	8-729-924-XX	TRANSISTOR 2SC3722K-T146-E	
Q907	8-729-901-06	TRANSISTOR DTA144EK	
Q908	8-729-901-01	TRANSISTOR DTC144EK	
Q909	8-729-901-06	TRANSISTOR DTA144EK	
Q910	8-729-901-04	TRANSISTOR DTA114EK	
Q911	8-729-901-01	TRANSISTOR DTC144EK	
Q912	8-729-901-04	TRANSISTOR DTA114EK	
Q913	8-729-901-01	TRANSISTOR DTC144EK	
Q914	8-729-216-22	TRANSISTOR 2SA1162	
Q915	8-729-901-01	TRANSISTOR DTC144EK	
Q916	8-729-901-06	TRANSISTOR DTA144EK	
Q917	8-729-901-01	TRANSISTOR DTC144EK	
Q918	8-729-807-12	TRANSISTOR 2SC3073-Y	
		< RESISTOR >	
R2	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R3	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R4	1-216-039-00	METAL CHIP 390 5% 1/10W	
R5	1-216-039-00	METAL CHIP 390 5% 1/10W	
R6	1-216-039-00	METAL CHIP 390 5% 1/10W	
R7	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R8	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R9	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R10	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R14	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R15	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R16	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R17	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R18	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R19	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	

Ref. No.	Part No.	Description	Remarks
R20	1-216-039-00	METAL CHIP 390 5% 1/10W	
R21	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R22	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R23	1-216-066-00	METAL CHIP 5.1K 5% 1/10W	
R24	1-216-072-00	METAL CHIP 9.1K 5% 1/10W	
R25	1-216-070-00	METAL CHIP 7.5K 5% 1/10W	
R26	1-216-073-00	METAL CHIP 10K 5% 1/10W	(5500:AEP, 5501)
R26	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	(5500:G)
R27	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R28	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R29	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R30	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R31	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R32	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R33	1-216-071-00	METAL CHIP 8.2K 5% 1/10W	
R34	1-216-055-00	METAL CHIP 1.8K 5% 1/10W	
R35	1-216-046-00	METAL CHIP 750 5% 1/10W	
R36	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R37	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R38	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R39	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R40	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R41	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R42	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R43	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R44	1-208-291-91	METAL GLAZE 4.7M 5% 1/10W	
R45	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R46	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R47	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R48	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R49	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R50	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R52	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R53	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R54	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R55	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R57	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R58	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R59	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R60	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R61	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R62	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R63	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R64	1-216-037-00	METAL CHIP 330 5% 1/10W	
R65	1-249-393-11	CARBON 10 5% 1/4W F	
R66	1-249-438-11	CARBON 56K 5% 1/4W	
R67	1-249-441-11	CARBON 100K 5% 1/4W	
R101	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R102	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R103	1-216-081-00	METAL CHIP 22K 5% 1/10W	

Ref. No.	Part No.	Description			Remarks
R104	1-216-109-00	METAL CHIP	330K	5%	1/10W
R105	1-216-031-00	METAL CHIP	180	5%	1/10W
R108	1-216-041-00	METAL CHIP	470	5%	1/10W
R110	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R111	1-216-113-00	METAL CHIP	470K	5%	1/10W
R112	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R113	1-216-073-00	METAL CHIP	10K	5%	1/10W
R114	1-216-073-00	METAL CHIP	10K	5%	1/10W
R115	1-216-073-00	METAL CHIP	10K	5%	1/10W
R116	1-216-049-00	METAL CHIP	1K	5%	1/10W
R117	1-216-049-00	METAL CHIP	1K	5%	1/10W
R118	1-216-075-00	METAL CHIP	12K	5%	1/10W
R119	1-216-075-00	METAL CHIP	12K	5%	1/10W
R120	1-216-077-00	METAL CHIP	15K	5%	1/10W
R121	1-216-077-00	METAL CHIP	15K	5%	1/10W
R122	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R123	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R124	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R125	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R126	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R127	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R128	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R201	1-216-089-00	METAL CHIP	47K	5%	1/10W
R202	1-216-077-00	METAL CHIP	15K	5%	1/10W
R203	1-216-081-00	METAL CHIP	22K	5%	1/10W
R204	1-216-109-00	METAL CHIP	330K	5%	1/10W
R205	1-216-031-00	METAL CHIP	180	5%	1/10W
R208	1-216-041-00	METAL CHIP	470	5%	1/10W
R210	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R211	1-216-113-00	METAL CHIP	470K	5%	1/10W
R212	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R213	1-216-073-00	METAL CHIP	10K	5%	1/10W
R214	1-216-073-00	METAL CHIP	10K	5%	1/10W
R215	1-216-073-00	METAL CHIP	10K	5%	1/10W
R216	1-216-049-00	METAL CHIP	1K	5%	1/10W
R217	1-216-049-00	METAL CHIP	1K	5%	1/10W
R218	1-216-075-00	METAL CHIP	12K	5%	1/10W
R219	1-216-075-00	METAL CHIP	12K	5%	1/10W
R220	1-216-077-00	METAL CHIP	15K	5%	1/10W
R221	1-216-077-00	METAL CHIP	15K	5%	1/10W
R222	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R223	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R224	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R225	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R226	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R227	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R228	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R301	1-216-089-00	METAL CHIP	47K	5%	1/10W
R302	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R305	1-216-089-00	METAL CHIP	47K	5%	1/10W(5500)

Ref. No.	Part No.	Description			Remarks
R306	1-216-085-00	METAL CHIP	33K	5%	1/10W
R307	1-216-085-00	METAL CHIP	33K	5%	1/10W
R308	1-216-085-00	METAL CHIP	33K	5%	1/10W
R311	1-216-097-00	METAL CHIP	100K	5%	1/10W
R312	1-216-089-00	METAL CHIP	47K	5%	1/10W
R313	1-216-105-00	METAL CHIP	220K	5%	1/10W
R314	1-216-089-00	METAL CHIP	47K	5%	1/10W
R316	1-216-089-00	METAL CHIP	47K	5%	1/10W
R317	1-216-089-00	METAL CHIP	47K	5%	1/10W
R318	1-216-097-00	METAL CHIP	100K	5%	1/10W
R319	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R320	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R321	1-216-049-00	METAL CHIP	1K	5%	1/10W
R322	1-216-049-00	METAL CHIP	1K	5%	1/10W
R324	1-216-049-00	METAL CHIP	1K	5%	1/10W
R325	1-216-049-00	METAL CHIP	1K	5%	1/10W
R326	1-216-049-00	METAL CHIP	1K	5%	1/10W
R327	1-216-176-00	METAL GLAZE	120	5%	1/8W
R328	1-216-176-00	METAL GLAZE	120	5%	1/8W
R329	1-216-097-00	METAL CHIP	100K	5%	1/10W(5501)
R332	1-216-089-00	METAL CHIP	47K	5%	1/10W
R401	1-216-073-00	METAL CHIP	10K	5%	1/10W
R402	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R403	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R404	1-216-208-00	METAL GLAZE	2.7K	5%	1/8W
R414	1-216-088-00	METAL CHIP	43K	5%	1/10W
R415	1-216-021-00	METAL CHIP	68	5%	1/10W
R417	1-216-073-00	METAL CHIP	10K	5%	1/10W
R418	1-216-001-00	METAL CHIP	10	5%	1/10W
R421	1-216-111-00	METAL CHIP	390K	5%	1/10W
R422	1-216-073-00	METAL CHIP	10K	5%	1/10W
R423	1-216-073-00	METAL CHIP	10K	5%	1/10W
R424	1-216-049-00	METAL CHIP	1K	5%	1/10W
R425	1-216-049-00	METAL CHIP	1K	5%	1/10W
R426	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R427	1-216-025-00	METAL CHIP	100	5%	1/10W
R428	1-216-073-00	METAL CHIP	10K	5%	1/10W
R429	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R430	1-216-073-00	METAL CHIP	10K	5%	1/10W
R501	1-216-089-00	METAL CHIP	47K	5%	1/10W
R502	1-216-089-00	METAL CHIP	47K	5%	1/10W
R504	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R901	1-216-049-00	METAL CHIP	1K	5%	1/10W
R902	1-216-049-00	METAL CHIP	1K	5%	1/10W
R903	1-216-049-00	METAL CHIP	1K	5%	1/10W
R904	1-216-049-00	METAL CHIP	1K	5%	1/10W
R905	1-216-121-00	METAL CHIP	1M	5%	1/10W
R906	1-216-121-00	METAL CHIP	1M	5%	1/10W
R907	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R908	1-216-059-00	METAL CHIP	2.7K	5%	1/10W

MAIN **RELAY** **SW**

Ref. No.	Part No.	Description			Remarks
R909	1-216-073-00	METAL CHIP	10K	5%	1/10W
R910	1-216-174-00	METAL GLAZE	100	5%	1/8W
R911	1-216-073-00	METAL CHIP	10K	5%	1/10W
R913	1-216-025-00	METAL CHIP	100	5%	1/10W
R914	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R915	1-216-081-00	METAL CHIP	22K	5%	1/10W
R916	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R917	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R918	1-216-133-00	METAL CHIP	3.3M	5%	1/10W
R919	1-216-089-00	METAL CHIP	47K	5%	1/10W
R920	1-216-049-00	METAL CHIP	1K	5%	1/10W
R921	1-216-049-00	METAL CHIP	1K	5%	1/10W
R922	1-216-043-00	METAL CHIP	560	5%	1/10W
R923	1-216-041-00	METAL CHIP	470	5%	1/10W
R924	1-216-073-00	METAL CHIP	10K	5%	1/10W
R925	1-216-025-00	METAL CHIP	100	5%	1/10W
R926	1-216-089-00	METAL CHIP	47K	5%	1/10W
R927	1-216-043-00	METAL CHIP	560	5%	1/10W
R929	1-216-049-00	METAL CHIP	1K	5%	1/10W
R930	1-216-049-00	METAL CHIP	1K	5%	1/10W
R931	1-216-035-00	METAL CHIP	270	5%	1/10W
R932	1-216-049-00	METAL CHIP	1K	5%	1/10W
R934	1-216-025-00	METAL CHIP	100	5%	1/10W
R935	1-216-073-00	METAL CHIP	10K	5%	1/10W
R936	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W
R937	1-216-214-00	METAL GLAZE	4.7K	5%	1/8W
		< VARIABLE RESISTOR >			
RV1	1-238-021-11	RES, ADJ, CARBON 220K			
RV2	1-241-631-11	RES, ADJ, CARBON 22K			
RV3	1-241-630-11	RES, ADJ, CARBON 10K			
RV101	1-241-630-11	RES, ADJ, CARBON 10K			
RV201	1-241-630-11	RES, ADJ, CARBON 10K			
		< SWITCH >			
S301	1-571-478-11	SWITCH, SLIDE (P.SEL, ON/OFF)			
		< TRANSFORMER >			
T1	1-404-955-11	TRANSFORMER, IF			
		< THERMISTOR >			
TH1	1-810-032-21	THERMISTOR NTH5G29A221K01TE			
		< TUNER >			
TU1	1-693-000-21	TUNER UNIT (FM/AM) (5500)			
TU1	1-693-001-11	TUNER UNIT (FM/MW/LW) (5501)			

Ref. No.	Part No.	Description			Remarks
		< VIBRATOR >			
X1	1-579-278-11	VIBLATOR, CERAMIC (456kHZ)			
X301	1-567-713-11	VIBRATOR, CRYSTAL (4.5MHz)			
X501	1-579-242-41	VIBRATOR, CRYSTAL (4.332MHz)			
**********					
*	1-646-333-12	RELAY BOARD			
		**********			
*	3-389-489-01	SPACER (CONNECTOR) (MADE IN JAPAN)			
		< CONNECTOR >			
CNP904	1-573-121-11	PIN, CONNECTOR 12P			
* CNP906	1-691-558-11	SOCKET, CONNECTOR 12P			
		< SWITCH >			
S701	1-692-366-11	SWITCH, PUSH (1 KEY)			
**********					
*	A-3295-271-A	SW BOARD, COMPLETE (ILLMINATION, AMBER)			
		********** (MADE IN JAPAN)			
*	A-3295-293-A	SW BOARD, COMPLETE (ILLMINATION, AMBER)			
		********** (MADE IN FRANCE)			
*	A-3295-422-A	SW BOARD, COMPLETE (ILLMINATION, GREEN)			
		********** (MADE IN JAPAN)			
*	A-3295-453-A	SW BOARD, COMPLETE (ILLUMINATION, GREEN)			
		********** (MADE IN FRANCE)			
*	3-389-489-01	SPACER (CONNECTOR) (MADE IN JAPAN)			
		< CAPACITOR >			
C701	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C702	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C703	1-162-637-11	CERAMIC CHIP	0.47uF		16V
		< JACK >			
* CNJ906	1-691-557-21	PIN, CONNECTOR 12P			
		< DIODE >			
D701	8-719-976-XX	DIODE	DTZ5.1B-TT11		
D702	8-719-977-03	DIODE	DTZ5.6B		
D703	8-719-977-03	DIODE	DTZ5.6B		
D704	8-719-977-03	DIODE	DTZ5.6B		
D705	8-719-977-03	DIODE	DTZ5.6B		

Ref. No.	Part No.	Description	Remarks
D706	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D706	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D707	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D707	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D708	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D708	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D709	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D709	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D710	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D710	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D711	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D711	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D712	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D712	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D713	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D713	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D714	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D714	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D715	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D715	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D716	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D716	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D717	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D717	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D718	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D718	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D719	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D719	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D720	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D720	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D721	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D721	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D722	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D722	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D723	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D723	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
D724	8-719-033-13	LED CL-170Y-CD-T (ILLUMINATION, AMBER)	
D724	8-719-033-14	LED CL-170PG-CD-T (ILLUMINATION, GREEN)	
		< IC >	
IC701	8-759-246-16	IC TC9240F	
		< LCD >	
LC1	1-809-595-41	DISPLAY PANEL, LIQUID CRYSTAL	
		< PILOT LAMP >	
PL701	1-518-646-11	LAMP, PILOT	
PL701	1-518-646-11	LAMP, PILOT	

Ref. No.	Part No.	Description			Remarks
		< RESISTOR >			
R701	1-216-049-00	METAL CHIP	1K	5%	1/10W
R702	1-216-049-00	METAL CHIP	1K	5%	1/10W
R703	1-216-049-00	METAL CHIP	1K	5%	1/10W
R704	1-216-089-00	METAL CHIP	47K	5%	1/10W
R705	1-216-043-00	METAL CHIP	560	5%	1/10W
R706	1-216-097-00	METAL CHIP	100K	5%	1/10W
R707	1-216-045-00	METAL CHIP	680	5%	1/10W
R708	9-910-999-2B	METAL GLAZE	620	5%	1/8W
R709	9-910-999-2B	METAL GLAZE	620	5%	1/8W
R710	9-910-999-2B	METAL GLAZE	620	5%	1/8W
R711	9-910-999-2B	METAL GLAZE	620	5%	1/8W
R712	9-910-999-2B	METAL GLAZE	620	5%	1/8W
R713	1-216-195-00	METAL GLAZE	750	5%	1/8W
R714	1-216-195-00	METAL GLAZE	750	5%	1/8W
R715	1-216-666-11	METAL CHIP	4.3K	0.5%	1/10W
R716	1-216-670-11	METAL CHIP	6.2K	0.5%	1/10W
R717	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R718	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R719	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R720	1-216-690-11	METAL CHIP	43K	0.5%	1/10W
R721	1-216-099-00	METAL CHIP	120K	5%	1/10W
R722	1-216-666-11	METAL CHIP	4.3K	0.5%	1/10W
R723	1-216-670-11	METAL CHIP	6.2K	0.5%	1/10W
R724	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R725	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R726	1-216-666-11	METAL CHIP	4.3K	0.5%	1/10W
R727	1-216-670-11	METAL CHIP	6.2K	0.5%	1/10W
R728	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R729	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R730	1-216-683-11	METAL CHIP	22K	0.5%	1/10W
R731	1-216-690-11	METAL CHIP	43K	0.5%	1/10W
		< SWITCH >			
S701	1-692-037-31	SWITCH, KEY BOARD (BTM M.SCAN)			
S702	1-572-704-21	SWITCH, KEY BOARD (6)			
S703	1-572-704-21	SWITCH, KEY BOARD (5)			
S704	1-572-704-21	SWITCH, KEY BOARD (4/ATA)			
S705	1-572-704-21	SWITCH, KEY BOARD (3)			
S706	1-572-704-21	SWITCH, KEY BOARD (2)			
S707	1-572-704-21	SWITCH, KEY BOARD (1)			
S708	1-572-704-21	SWITCH, KEY BOARD (DSPL)			
S709	1-572-704-21	SWITCH, KEY BOARD (LEVEL +)			
S710	1-572-704-21	SWITCH, KEY BOARD (LEVEL -)			
S711	1-572-704-21	SWITCH, KEY BOARD (MANU +)			
S712	1-572-704-21	SWITCH, KEY BOARD (MANU -)			
S713	1-572-704-21	SWITCH, KEY BOARD (MUTE)			
S714	1-692-037-31	SWITCH, KEY BOARD (OFF)			
S715	1-572-704-21	SWITCH, KEY BOARD (SENS/LOUD)			

SW

Ref. No.	Part No.	Description	Remarks
S716	1-572-704-21	SWITCH, KEY BOARD (SEEK +)	
S717	1-572-704-21	SWITCH, KEY BOARD (SEEK -)	
S718	1-572-704-21	SWITCH, KEY BOARD (SEL)	
S719	1-692-037-31	SWITCH, KEY BOARD (5500:FM/AM) (5501:FM/MW/LW)	
S720	1-692-037-31	SWITCH, KEY BOARD (AF/TA)	

****

MISCELLANEOUS
****

54	1-696-838-31	CORD (WITH CONNECTOR) (MADE IN JAPAN)	
54	1-696-838-41	CORD (WITH CONNECTOR) (MADE IN FRANCE)	
F901	1-532-433-11	FUSE, GLASS TUBE 1A	
F902	1-532-717-11	FUSE, GLASS TUBE 10A	
HP901	1-543-717-11	HEAD, MAGNETIC (PLAYBACK)	
M901	X-3364-496-1	MOTOR ASSY	
S901	1-692-502-11	SWITCH, SLIDE	
S903	1-692-065-11	SWITCH, LEAF	
S904	1-554-790-21	SWITCH, POWER	

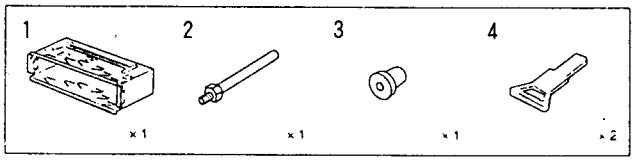
****

ACCESSORIES & PACKING MATERIALS
****

	1-696-838-31	CORD (WITH CONNECTOR) (MADE IN JAPAN)	
	1-696-838-41	CORD (WITH CONNECTOR) (MADE IN FRANCE)	
*	3-358-697-01	BUSHING (MADE IN FRANCE)	
*	3-378-800-01	CUSHION (UPPER)	
*	3-378-801-01	CUSHION (LOWER)	
*	3-379-363-01	KEY	
	3-386-828-01	SCREW, FITTING (MADE IN FRANCE)	
*	3-386-834-01	INDIVIDUAL CARTON (5500) (MADE IN JAPAN)	
*	3-386-834-11	INDIVIDUAL CARTON (5500) (MADE IN FRANCE)	
*	3-386-836-11	INDIVIDUAL CARTON (5501)	
*	3-387-788-01	LABEL, MODEL NUMBER (AE G) (ILLMINATION, GREEN) (5500:AEP) (MADE IN JAPAN)	
	3-756-512-11	MANUAL, INSTRUCTION (ENGLISH/FRANCE/GERMAN/ITALIAN/DUTCH) (5500:AEP) (MADE IN JAPAN)	
	3-756-512-41	MANUAL, INSTRUCTION (SPANISH/PORTUGUESE/SWEDISH) (5500:AEP) (MADE IN JAPAN)	
	3-756-512-61	MANUAL, INSTRUCTION (ENGLISH/FRANCH/GERMAN/ITALIAN/DUCH) (MADE IN FRANCE)	
	3-756-512-71	MANUAL, INSTRUCTION (SPANISH/PORTUGUESE/SWEDISH) (5500:AEP) (MADE IN FRANCE)	
	3-756-513-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH/FRANCE/GERMAN/ITALIAN/DUTCH) (5500:AEP) (MADE IN JAPAN)	
	3-756-513-41	MANUAL, INSTRUCTION, INSTALL (SPANISH/PORTUGUESE/SWEDISH) (5500:AEP) (MADE IN JAPAN)	
	3-756-513-61	MANUAL, INSTRUCTION, INSTALL (ENGLISH/FRANCH/GERMAN/ITALIAN/DUCH) (MADE IN FRANCE)	
	3-756-513-71	MANUAL, INSTRUCTION, INSTALL (SPANISH/PORTUGUESE/SWEDISH) (5500:AEP) (MADE IN FRANCE)	
	X-3364-977-1	CASE ASSY	
*	X-3365-198-1	FRAME ASSY, FITTING (MADE IN FRANCE)	
*	X-3366-235-1	FRAME ASSY, FITTING (MADE IN JAPAN)	
	X-3366-405-1	SCREW ASSY (EXP), FITTING (5500:AEP) (MADE IN JAPAN)	

****

MOUNTING HARDWARE



MOUNTING HARDWARE
****

* 1	X-3365-198-1	FRAME ASSY, FITTING (MADE IN FRANCE)	
* 1	X-3366-235-1	FRAME ASSY, FITTING (MADE IN JAPAN)	
2	3-386-828-01	SCREW, FITTING (MADE IN FRANCE)	
* 3	3-358-697-01	BUSHING (MADE IN FRANCE)	
* 4	3-379-363-01	KEY	

****

****
HARDWERE LIST
****

#1	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
#2	7-621-775-40	SCREW +PTT 2.6X8 (S)	
#3	7-621-255-25	SCREW +PTT 2X4 (S)	
#4	7-621-770-67	SCREW +PTT 2.6X6 (S)	
#6	7-621-255-20	SCREW +P 2X4	
#7	7-624-102-04	STOP RING 1.5, TYPE -E	
#8	7-624-104-04	STOP RING 2.0, TYPE -E	
#9	7-624-118-01	RING, RETAINING E-2.5	
#10	7-685-135-19	SCREW +P 2.6X10 TYPE2 NON-SLIT	
#11	7-621-775-08	SCREW +P 2.6X3	
#12	7-621-255-15	SCREW +P 2X3	
#13	7-621-770-XX	SCREW +PTT 2.6X8 (S)	
#14	7-627-553-88	SCREW, PRECISION +P 2X7	
#17	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
#18	7-621-772-10	SCREW +B 2X4	

9-957-815-81

Sony Corporation
Mobile Electronics Group

English
93F16Y0945-1
Printed in Germany
© 1993.6
Published by Audio Secter Quality Assurance Dept.